

Risk assessment for software updates

Cubis® MCA

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General Information

Overview

In case that a new software version is released a risk assessment for re-qualification is executed. The objective is to evaluate all software changes regarding the question, whether they require a repetition of the qualification of this instrument which ran with a previous software version.

This document provides the information and recommendation for all software updates for Cubis MCA. The software for MCA is delivered in two packages: the "Firmware package" and the "QAPP Center". This document covers information for both.

All releases are cumulative packages and contain the changes of previous versions. Only the latest version needs to be installed. However, all release information and qualification recommendations of the releases between the installed and the latest must be taken into account if you update across multiple versions.

Scope

This document is valid for all Cubis® Models MCA.

Risk assessment

All software changes (bug fixes, improved functionality and new functionality) implemented in the new version will be classified as following:

Classification	Algorithm or processing of data changed	Effect on result	Example	Re-qualification
major change	yes	yes	The measurement algorithm changed and the numerical results could be affected.	recommended
minor change	yes	no	Improvement of measurement parameters and reliability	Whether a re-qualification is recommended depends on the current users application; usually not necessary
announcement	no	no	Adding a new language.	not recommended

Firmware package 09-03-01.17.04 CN:b236

Release date: 2019-03-08

Summary:

This is the first public firmware release.

Firmware package 09-03-01.18.12 CN:b236

Release date: 2019-04-05

Summary of changes from previous version:

This update contains fixes, stability enhancements and no functional extensions.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-14003	Fix: sporadic display issues	improved initialization routines	minor
Cubis-15226	Fix: module names for audit trail	improve readability of audit trail	announcement
Cubis-15171	Fix: no filter set in audit trail	shows all entries in audit trail with no filter	announcement
Cubis-15176	Fix: electronic signature	added missing signature with PC-Direct	minor
Cubis-14737	Fix: return from sleep under LOW	prevents lock of balance	minor
Cubis-15194	Fix: sort order of audit trail	corrects sort order on website	announcement
Cubis-15184	Fix: translation of search field	missing translation added	announcement
Cubis-15106	Fix: backup MD5 file	MD5 was unreadable in some cases	minor
Cubis-15383	Fix: missing translation	added translations to several screens	announcement
Cubis-15557	Fix: sporadic ERR235 after restart	internal communication improved	minor
Cubis-15838	Fix: isoCAL menu change needs reboot	changes now effective immediately	minor
Cubis-15840	Fix: sensitivity of motion sensors	new default setting: LOW	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-15845	Fix: missing translation in weighing	missing translation added for identifiers	announcement

Recommendations:

The update is recommended.

A re-qualification is not recommended for the update from the previous version.

Firmware package 09-03-01.18.13 CN:b236

Release date: 2019-06-19

Summary of changes from previous version:

This update contains only fixes and no functional extensions.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-15985	Fix: sporadic Err 54/55		announcement
Cubis-15829	Fix: optimized turning direction in 4 place models during change from full load to half load	faster load change for XBPI load change commands, no effect on internal adjustment routines	announcement
Cubis-15683	Fix: PC-direct LF problems	Improved reliability of PC-direct function	minor
Cubis-14623	Fix: issues with draft shield M	modifications to improve unexpected behavior of draft shield M	minor

Recommendations:

The update is recommended only for users that experienced problems with the PC-Direct function or the draft shield M.

A re-qualification is not recommended for the update from the previous version.

Firmware package 09-03-02.02.14 CN:b236

Release date: 2019-08-12

Summary of changes from previous version:

This update is a major update with major functional extensions and fixes for issues of the previous release. The menu and behavior has changed in some areas that may affect the work.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-15735	Add: Interface for customized QApps	Add the possibility to upload and license customized QApps	announcement
Cubis-14989	Add: Hostname visible in dashboard	Additional information in dashboard	announcement
Cubis-14635	Add: Information screens before updating Firmware or QAPP Center	Contains user information on the effects of these updates	announcement
Cubis-15758	Add: Fail & Retry function for reports	If a report cannot be transmitted to the output destination immediately then it is stored and transmitted later.	minor
Cubis-15914	Add: Korean keyboard	Input option for Korean characters	minor
Cubis-15393	Add: Japanese Keyboard	Input option for Hiragana, Katakana and Kanji	minor
Cubis-14303	Add: SICS support	SICS commands of Level 0 and 1	minor
Cubis-15138	Add: Network manager and WLAN support	Configuration of network settings for Ethernet and WLAN added. Support for commonly available USB-WLAN sticks.	announcement
Cubis-15356	Add: StarLIMS integration	Firmware support for StarLIMS QApp	announcement
Cubis-15360	Add: Additional output options for reports	More print and output options, including a configurable GLP printout	major
Cubis-14294	Add: Timer Controlled Actions	Automatically start tasks, backups, exports, etc. at a pre-planned time.	announcement
Cubis-14553	Add: Firmware update via connector	Option to configure the firmware update via network by using connectors.	announcement
Cubis-14555	Add: QAPP Center update via connector	Option to configure the QAPP Center update via network by using connectors.	announcement
Cubis-15314	Add: Export/Import of User and Roles	Enables the transfer of user and roles between non-identical devices	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-15327	Add: Support for climate module	Shows values in dashboard and warns when exceeding configurable limits.	minor
Cubis-17079	Fix: PC-Direct special character problem	Improved reliability of PC-direct function	minor
Cubis-16421	Fix: buffer limits for long outputs on RS232 and USB-B	Improved reliability of SBI and SICS communication with concatenated commands or long output	minor
Cubis-16841	Change: Settings Menu	Optimized menu order	minor
Cubis-14092	Change: Speed Enhancement	Reduced startup time for QApps	minor
Cubis-16442	Fix: Proposal of Time Zones	Default Setting of Initial operating assistant changed	announcement
Cubis-16333	Fix: Audit Trail entries during startup	No longer writes obsolete entries in audit trail during startup with wrong time	minor
Cubis-16313	Add: Password for web services	Configuration option in menu added	minor
Cubis-15095	Fix: Unify password handling	Uniform password screens for LDAP and connectors	minor
Cubis-15729	Change: Audit Trail export as HTML	Output format for audit trail export changed from PDF to HTML due to severe performance issue with large data.	major
Cubis-17408	Fix: Task description clipped	In Task menu	announcement
Cubis-16676	Fix Missing and wrong translation	Several screens	announcement
Cubis-16751	Fix: Keyboard issues	Long press and others	announcement
Cubis-16708	Fix: Wrong time for warmup event shown	Time shown in dashboard	announcement
Cubis-16468	Fix: Optimize column width on A4/letter	Increased space for title column	announcement
Cubis-16706	Fix: Crash of ftp connector	If no network connection	announcement
Cubis-16441	Fix: Validation of path name for FTP	Validation rules improved	announcement
Cubis-15795	Fix: Double entries in audit trail	Prevent double entries	announcement

Recommendations:

The update is recommended.

A partial re-qualification is recommended because this is a major update and significant parts of the software have changed.

The focus of the re-qualification should be on the output and transmission of reports.

Specifically, the following steps should be repeated:

- Installation Qualification: Documentation of report profile settings (Sartorius form: IQ5)
- Operational Qualification: -
- Process Qualification:
 1. Check the used reports for correct GLP header and footer.
 2. Only if function for export of audit trail is used then check export of Audit trail.

Firmware package 09-03-03.01.10 CN:000D

Release date: 2019-11-21

Summary of changes from previous version:

This update is a major update with functional extensions and fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-8604	Add: PDF-Export of menu settings	Some menu settings can be exported as a PDF file for documentation purposes	announcement
Cubis-8892	Add: HID input / foot switch	Input from foot switch or keyboard can be used to control balance	announcement
Cubis-14207	Add: Serial communication of QAPPS	Extend functionality for QAPPS to control external hardware via serial protocols	announcement
Cubis-14506	Fix: Validation of print headers	Improved validation rules for print headers	minor
Cubis-14577	Add: Additional DSD fields	DSD extended for additional information	minor
Cubis-15001	Fix: Output buffering for serial protocols	Improved handling of interrupted data transmission	minor
Cubis-14876	Change: Export of diagnostic information	Support storage on connectors	announcement
Cubis-15131	Fix: random error in digital corner load compensation	Random startup problems of digital corner load compensation are solved	minor
Cubis-15296	Fix: issue with setting last digit off	Solved initialization issues with different weighing resolutions in different tasks	minor
Cubis-15933	Fix: initial SBI auto print	SBI Auto print now sends data directly after startup; ESC P no longer needed	announcement
Cubis-16259	Add: improve digital signature in DSD	Enhanced algorithm for digital signature on DSD	minor
Cubis-16457	Add: level check before internal adjustment	Prevents adjustments on verified balanced if not leveled	minor
Cubis-16724	Add: Extended SICS and Mini-SICS support	Additional commands and fixes for the SICS and Mini-SICS protocols	minor
Cubis-16708	Fix: Time in error message for warmup	Correct time is now shown	announcement
Cubis-16726	Add: Label Option for YDP30	Printing on labels is supported via reporting profiles for YDP30	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-16730	Fix: Linearization with Preload	Linearization now possible with preload	minor
Cubis-17017	Add: New print option after isoCAL and manual adjustment	New option to print results of isoCAL or manual adjustments	announcement
Cubis-17337	Add: File handling for QAPPS	QAPPS can read/write files via connector	announcement
Cubis-17377	Fix: Text overflow in input window	Header is now shown instead of title	announcement
Cubis-17483	Fix: Date format in DSD filter	Menu setting of date/time is now also used for DSD filter	announcement
Cubis-17631	Fix: SBI commands for draft shield M	SBI commands for micro balance draft shield now compatible to Cubis 1	announcement
Cubis-15321	Add: Barcode and QR-Code printing	QAPPS can print barcodes and QR-codes	announcement
Cubis-17892	Add: digital I/O support	Support for USB to digital I/O converter to control a tablet feeder & other accessories	announcement
Cubis-18028	Fix: zero indicator	Fix for displaying of zero indicator	minor
Cubis-18800	Fix: date format in printout	Date format from menu setting is now used in reports	announcement
Cubis-19152	Fix: edit timer controlled actions	Right aligned with right to menu access	announcement
Cubis-19168	Add: Takeover action	New option "takeover" for motion sensor	announcement
Cubis-19241	Add: new rules for safety Level "Strict"	The safety level "strict" now checks for levelling and isoCAL constantly.	announcement
Cubis-19386	Fix: Block by timer controlled actions	Prevent blocking of device by conflicting timer controlled actions	announcement
Cubis-19602	Fix: Initial zero/tare setting at startup	Disable initial zero/tare now possible	announcement
Cubis-16955	Fix: Confirm calibration in standby	Confirmation of result screen now possible	announcement
Cubis-16919	Add: Information screens before updating Firmware or QAPP Center	Contains user information on the effects of these updates	announcement
Cubis-19611	Fix: Error when cancel during external adjustment	Cancel now works under all conditions	announcement
Cubis-15338	Add: weigh cell mode	Fast SBI output in weigh cell mode	announcement

Recommendations:

The update is recommended.

A re-qualification is not recommended for the update from the previous version.

Firmware package 09-03-03.01.16 CN:76B3

Release date: 2020-01-29

Summary of changes from previous version:

This update is a minor update with fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-20486	Fix: Frozen screen after cancel of adjustment while auto-levelling is active	Cancel now works under all conditions	announcement
Cubis-20504	Fix: False Error 345 after update to firmware 09-03-03.01.10	False error now prevented.	announcement
Cubis-20448	Fix: Automatic takeover during isoCAL	Takeover during isoCAL is now prevented	announcement
Cubis-20532	Fix: Wrong time in GLP header for direct printing mode.	Time is now correctly updated in direct printing mode.	announcement
Cubis-19887	Fix: Random missing images after update	Improved check routines for installation	announcement

Recommendations:

The update is recommended.

A re-qualification is not recommended for the update from the previous version.

Firmware package 09-03-04.01.26 CN:76B3

Release date: 2020-05-13

Summary of changes from previous version:

This update is a major update with functional extensions and fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-19469	Add: PDF document for menu settings	The complete current settings of the device can be exported as PDF file for documentation of the configuration.	announcement
Cubis-17820	Add: Improved customizable printout	Configuration for print profiles extended with more options and better performance	minor
Cubis-15333	Add: ReST interface for web services	ReST interface for network communication via web services - interface specification available as separate document.	announcement
Cubis-11960	Add: Service function for setting internal adjustment and linearization weights	Adjusting the internal weights is possible without special service software.	announcement
Cubis-19527	Add: Enhance Service Login	The date of last maintenance can be automatically set after login as service	announcement
Cubis-20030	Add: Cancel field in keyboards	Keyboards for text or data entry have a new option to cancel the input without changing the previous data.	announcement
Cubis-17869	Add: Set/Clear preload for administrator	The function to set or clear preloads can be used by the system administrator	announcement
Cubis-19982	Add: Certificate Management for FTPS, web services and website	Certificate management for trusted communication as client or server; Upload and manage trusted certificates	announcement
Cubis-17742	Add: Automatic start of specific tasks	The automatic start of tasks function extended for using a specific task	announcement
Cubis-21042	Add: Integrity check for SD card	At startup the integrity of the internal SD memory card is checked and any issues are automatically resolved and reported.	announcement
Cubis-21456	Add: Service repair function for palm keys	Palm Key configuration can be reset in service menu repair functions	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-20589	Fix: Change of time zone not effective immediately on printouts.	A reboot is forced after change of time zone to ensure the new setting takes effect in printouts.	announcement
Cubis-19679	Fix: Improve performance of long lists	Very long list load and scroll faster.	announcement
Cubis-19677	Fix: Improve performance of user management with many local users	User selection, login and load times for user management is much faster.	announcement
Cubis-21197	Fix: Export of very large audit trail	Export of very large audit trails improved	announcement
Cubis-20647	Fix: UI improvement for delete button	UI improvement: The delete symbol in some screens moved to another position.	announcement
Cubis-21419	Fix: SICS initialization	Eliminate zero setting during initialization of SICS interpreter	announcement
Cubis-20725	Fix: "No value from scale"	Improved stability of internal communication of device	minor
Cubis-15086	Fix: time zone text	The text for all time zones "UTC+/- xh" changed from POSIX to Windows standard.	minor
Cubis-21492	Fix: Rule for password reuse	Rule for local password reuse corrected.	announcement
Cubis-21468	Fix: Touch sound on keyboard	Touch sound now active on all keys.	announcement
Cubis-21459	Fix: Motion sensor after standby	Motion sensor wakes up after standby.	announcement
Cubis-20942	Fix: Optimized time for touch events	The timeout for normal touch events is extended to 1,2s.	announcement
Cubis-20701	Fix: SBI command w0_	Fixed output of header	announcement
Cubis-20675	Add: Warning for maintenance date	A maintenance warning will be shown if the date is set in service information	announcement
Cubis-19806	Fix: Failed isoCAL repeated too fast	The repeat time for failed isoCAL prolonged to 2 minutes.	announcement
Cubis-18232	Fix: SICS TI command in overload	Fixed timeout for TI command when the balance is in overload status	announcement
Cubis-21453	Fix: Korean keyboard	Updated character interpretation	announcement
Cubis-22043	Fix: GLP print for PC-Direct protocol	Fixed GLP header and footer for PC-Direct	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-21998	Fix: Electronic signature with LDAP	Combination of LDAP user management with electronic signature fixed	announcement
Several items	Fix: Translations	Missing and wrong translations fixed in several screens.	announcement

Recommendations:

The update is recommended.

The time zone and time settings should be checked after the update.

A full re-qualification is not recommended for the update from the previous version.

Firmware package 09-03-04.01.38 CN:76B3

Release date: 2020-06-23

Summary of changes from previous version:

This update is a minor update. It contains only fixes for specific issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-22491	Fix: Reduce memory allocation for log files	Prevents out of memory events in devices running for a very long time	announcement
Cubis-22128	Fix: Error 350 in connection SBI via TCP	Improved reliability of SBI connection via Ethernet / WLAN over long periods	announcement
Cubis-22420	Fix: LDAP search filter too short	Increased maximum length of LDAP search filter from 100 to 250 characters	announcement
Cubis-22260	Fix: Error 500 (network management) during boot	Improve handling of missing WLAN network during boot process	announcement
Cubis-16705	Fix: Update WLAN drivers	Improve stability of WLAN connection	announcement
Cubis-22062	Fix: Error 350 during export of Audit Trail	Export of audit trail with filters set no longer triggers error 350.	announcement
Cubis-22549	Fix: User deactivation rules	User deactivation corrected if multiple wrong electronic signature are entered	announcement

Recommendations:

The update is recommended.

A re-qualification is not recommended for the update from the previous version.

Firmware package 09-03-04.01.47 CN:76B3

Release date: 2020-09-15

Summary of changes from previous version:

This update is a minor update. It contains only fixes for specific issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-22694	Fix: Optical Feedback for Touch events	Corrected optical feedback for touch events in rare cases.	announcement
Cubis-22738	Fix: Restore QAPP licenses	Restore of QAPP licenses fixed. Restore possible with correct serial number but not possible if other serial numbers.	announcement
Cubis-22674	Fix: Correct access rights after restore	Fixes files access rights after restore for QAPPs that use shared data folders.	announcement
Cubis-22725	Fix: Audit Trail entry at system start	Improved text message in audit trail at initial system start.	announcement
Cubis-20974	Fix: Missing error message for YDP30	Error message now shown if printer YDP30 is not available or not connected.	announcement
Cubis-22772	Fix: Migration SBI print profile	Fixes issues with SBI print profile after firmware update	announcement
Cubis-22786	Fix: Restore of Customized QApps	Restore function now preserves customized QAPPs during restore	announcement
Cubis-22787	Fix: Missing package license after QAPP Center update	Package licenses now work with multiple versions of the QAPPs at the same time.	announcement
Cubis-21484	Fix: Error 08/09 shown instead of text error message after standby.	Corrected wake up from standby mode.	announcement

Recommendations:

The update is recommended.

A re-qualification is not recommended for the update from the previous version.

Firmware package 09-03-04.01.51 CN:76B3

Release date: 2020-09-15

Summary of changes from previous version:

This update is a minor update. It contains only fixes for specific issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-22826	Fix: Download latest Audit Trail from website	Prevents error if no audit trail had been created before download	announcement
Cubis-22848	Fix: Fail & Retry behavior for printing long reports	Increased timeout for long printouts	announcement
Cubis-22911	Fix: Error after replacing broken SD-card	Reset of error message after replacing a broken internal SD-card	announcement
Cubis-22887	Add: Configurable timeout for printing	New parameter in service menu	announcement

Recommendations:

The update is recommended.

The firmware update is mandatory for those devices which use the backup and restore functionality.

A re-qualification is not recommended for the update from the previous version.

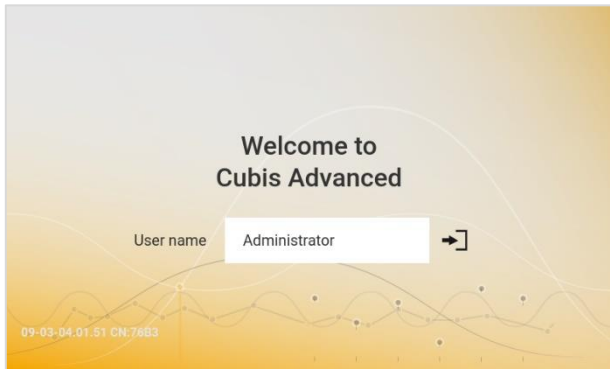
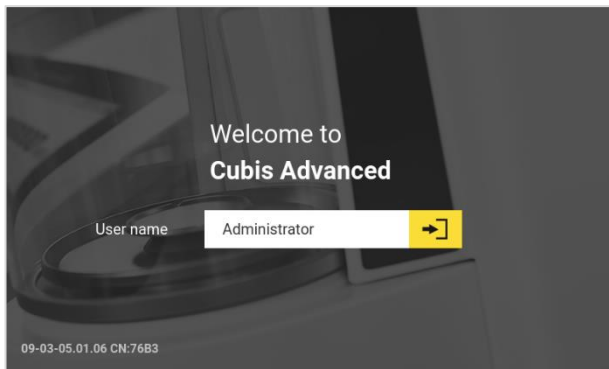
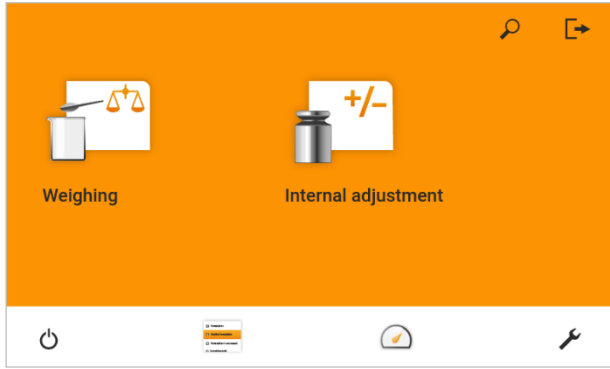
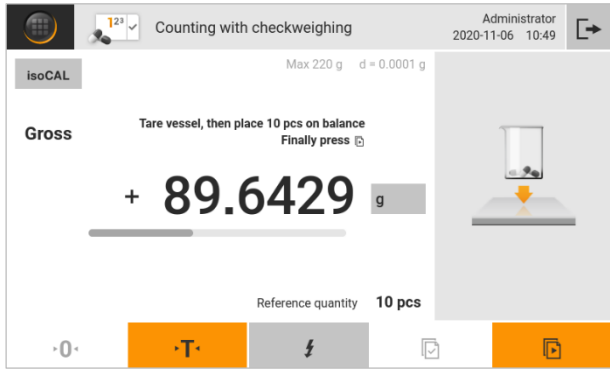
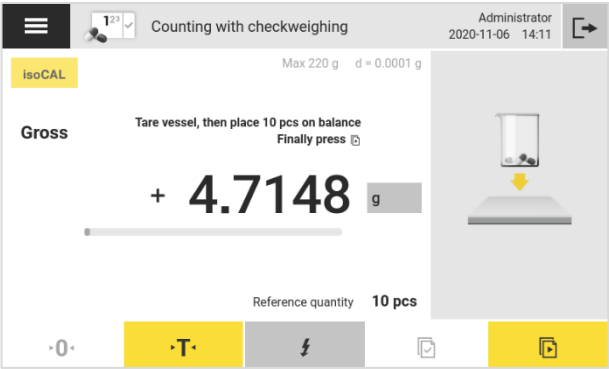
Firmware package 09-03-05.01.11 CN:76B3

Release date: 2020-12-01

Summary of changes from previous version:

This update is a major update because it has many functional extensions, changes and fixes for issues of the previous release.

WARNING: Due to the global rebranding of the Sartorius AG, the look of the user interface, website and the PDF printout were changed. This affects company logos, icons, colors and the representation of the menu button. There were no changes to the general operating procedure of the balance. The table below shows a comparison of the old and new looks.

Login Screen (previous design) 	Login Screen (new design) 
Main Menu (previous design) 	Main menu (new design) 
Weighing Screen with QAPP (previous design) 	Weighing Screen with QAPP (new design) 

Website (previous design)


sartorius

[My Cubis](#)
[Remote operation](#)
[Screenshot](#)
[Audit trail](#)

Device ID

Device ID 1	---
Device ID 2	---

General device information

Manufacturer	Sartorius
Model name	MCA224S-2S00-I
Serial number	0037502658
Package version	09-03-04.01.51 CN:76B3
QAPP Center version	09-06-05.01.06

Service

Service contact	---
Telephone number	---
E-mail	---
Hotline	---
Contract	---
Last maintenance	---
Next maintenance	---
Warning time until next maintenance	4 weeks
Maintenance cycle	12 months
Website	---
Device qualification	---

Website (new design)


Cubis

[My Cubis](#)
[Remote operation](#)
[Settings](#)
[Data storage device](#)
[Audit trail](#)
[Log files](#)

Device ID

Device ID 1	---
Device ID 2	---

General device information

Manufacturer	Sartorius
Model name	MCA224S-2S00-I
Serial number	0037502658
Package version	09-03-05.01.06 CN:76B3
QAPP Center version	09-06-05.03.02
Balance version	00-61-03.01.07 CN:44AC
Draft shield version	05-08-04.01.12 CN:0000
MCU-Version	not present
Recovery version	01.01.02

Service

Service contact	---
Telephone number	---
E-mail	---
Hotline	---
Contract	---
Last maintenance	---
Next maintenance	---
Warning time until next maintenance	4 weeks
Maintenance cycle	12 months
Website	---
Device qualification	---

PDF Report (previous design)

Weighing


sartorius

Manufacturer	Manuf.	Sartorius
Model number	Model	MCA224S-2S00-I
Serial number	Ser. no.	0037502658
Package version	Package	09-03-04.01.51 CN:76B3
QAPP version	QAPP	1.2.1
Task name	Task	Weighing

Gross	G	+101.3592	g
Gross	G	+101.3591	g

Date/time of report end	2020-11-06	10:52:39
Signat.:		

CUBIS_0037502658_2020-11-06_10-52-39.pdf

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PDF Report (new design)


SARTORIUS

Weighing

Simple weighing application

Manufacturer	Manuf.	Sartorius
Model number	Model	MCA224S-2S00-I
Serial number	Ser.no.	0037502658
Package version	Package	09-03-05.01.06 CN:76B3
QAPP version	QAPP	1.2.1
Task name	Task	Weighing

Gross	G	+40.7057	g
Gross	G	+4.7182	g

Date/time of report end	2020-11-06	14:03:55
Signat.:		

CUBIS_0037502658_2020-11-06_14-03-55.pdf

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List of detailed changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-21059	Change: Rebranding User Interface	The user interface uses new colors & icons. User interface elements remain the same.	minor
Cubis-21058	Change: Rebranding of Balance Website	New design for build-in balance website. Better support for different screen sizes.	announcement
Cubis-21060	Change: Rebranding PDF documents	New logo and fonts. in PDF documents	announcement
Cubis-22696	Fix: Weighing QAPP	Improved optical feedback for takeover button.	minor
Cubis-21332	Add: additional SBI commands	ESC kP_ ESC ea{...}_ See attached interface description for details.	announcement
Cubis-20935	Fix: Defects in SBI interpreter	Fix several minor issues in SBI commands	minor
Cubis-22368	Add: Warning Messages for SBI errors	New option for SBI protocol to show a warning on unknown or wrong commands	announcement
Cubis-22748	Add: data print element: Serial number	New option to print the serial number with each weight value.	minor
Cubis-20648	Add: Configurable SBI Direct print	Configuration of SBI Direct print protocol	minor
Cubis-19465	Add: On-Device Help	New Help buttons within the settings menu. Optional export as PDF documents.	announcement
Cubis-19585	Add: Export Data Storage Device	New export option for export of data storage device (DSD) as html document.	announcement
Cubis-14179	Add: View Data Storage Device on Website	The data storage device (DSD) can be viewed on the built-in balance website.	announcement
Cubis-17999	Fix: Update openssl libraries	Update of the used openssl libraries	announcement
Cubis-22479	Add: Test printout for YDP30-NET	Test button for checking a connection	announcement
Cubis-22561	Add: Proxy server to limit network requests	New proxy server HAProxy prevents denial of service attacks via the web interfaces	minor
Cubis-22590	Add: Improved Message Screens	The message screen now show additional version information for better support.	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-22598	Add: Extended Diagnostic support	Additional option for an extended diagnostic file for better remote support.	announcement
Cubis-22667	Change: External Device Service	Code cleanup and unified configuration for external motion sensor and USB keys	announcement
Cubis-21454	Add: Tare/Zero combi function for external devices	The external gesture sensor and foot switch emulate the tare/zero combined key	announcement
Cubis-22713	Add: Improved test for FTP/FTPS connector	More detailed information for test function of FTP/FTPS connector	announcement
Cubis-22714	Add: Improved test for SMB connector	More detailed information for test function of SMB connector	announcement
Cubis-22715	Add: Improved test for USB connector	More detailed information for test function of USB connector	announcement
Cubis-22726	Fix: Keep factory licenses during software downgrade	Prevents the deletion of factory licenses for QAPPs during software downgrade.	announcement
Cubis-22816	Add: Option for logging of communication on of serial interfaces	Log the communication on the serial interfaces (RS232, USB and Ethernet). Data shown on the build-in balance website.	announcement
Cubis-21314	Fix: Improve Speed for Task Screens	The operation of the device with many configured tasks is much faster now.	announcement
Cubis-13664	Add: Service Function Repro test	Service function for testing repeatability with internal or external weight.	announcement
Cubis-19758	Add: Extended Error status via XBPI	Extended XBPI command 0x2234 for all device errors	announcement
Cubis-19659	Add: Draft Shield Automatic	New Option for automatic closing of draft shield doors when waiting for standstill	minor
Cubis-21054	Change: Remote Display and Screenshot on Website	Improved remote display and screenshot functions on the balance website	announcement
Cubis-21055	Add: Keyboard input for remote display	Input of characters and numbers from an PC keyboard to the balance remote display	announcement
Cubis-22932	Add: Download of certificates	The balance website provides the valid certificates for https communication	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-21323	Add: Diagnostic information for wear parts	New service function for remote diagnosis of wear parts	announcement
Cubis-22665	Add: web service for takeover event	Web service to take over a weight value	announcement
Cubis-22735	Add: Access to Audit Trail from Dashboard	New right and configuration option to view the audit trail from the dashboard	announcement
Cubis-22693	Add: LDAP Configuration via Website	New configuration tool for user management with LDAP via the website	announcement
Cubis-16909	Fix: warmup warning message	Corrected the warning message for warmup time	announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

After the firmware upgrade, we also recommend an upgrade of the QAPP center to version 09-06-05.03.02 or higher to harmonize the look and feel of the QAPPs and the firmware.

Please check if your internal documentation needs an update and inform users about the design changes.

Due to many changes to the communication interfaces, the connection to peripherals should be tested.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

A new version of the manual will be available on the Cubis II Website:

<https://www.sartorius.com/en/products/weighing/laboratory-balances/premium-level-balances/cubis-ii>

Firmware package 09-03-05.01.13 CN:76B3

Release date: 2021-03-24

Summary of changes from previous version:

This update is a minor update. It contains only fixes for specific issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-23694	Add: Extend internal diagnostic functions	Enables better remote support	announcement
Cubis-23579	Fix: XBPI protocol handling directly from weighing module via RS232 and USB-B	Enhances compatibility to previous products and performance	announcement
Cubis-23634	Fix: SBI direct protocol for isoCAL report	Enabled missing menu setting	announcement
Cubis-23726	Fix: SMBv2 connection leads to SMB_ERROR_95	Corrects issue in release 09-03-05.01.11	announcement
Cubis-23757	Fix: "Autostart last task" does not work	Corrects issue in release 09-03-05.01.11	announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

If communication with XBPI protocol via RS232 or USB-B interface is used, the communication should be tested afterwards.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

After the firmware upgrade, we also recommend an upgrade of the QAPP center to version 09-06-05.03.02 or higher to harmonize the look and feel of the QAPPs and the firmware.

Firmware package 09-03-05.01.14 CN:76B3

Release date: 2021-05-27

Summary of changes from previous version:

This update is a minor update. It contains only fixes for specific issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-23635	Fix: Start Time in GLP header	Corrects issue with start time in GLP header in certain configurations	minor
Cubis-23961	Fix: Auto-Logout during standby	Corrects blocking of device by auto-logout function while in standby mode	announcement
Cubis-23976	Fix: wrap of long identifiers in PDF	Corrects the wrap of very long identifiers in PDF files and A4/letter printouts	announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-06.01.03 CN:76B3

Release date: 2021-08-16

Summary of changes from previous version:

This update is a major update because it has many functional extensions, changes and fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-17877	Add: Import and Export of all device settings	Export and Import device configurations or partial configurations for transfer between different devices	minor
Cubis-19658	Change: Backup file name	The filename of backups now contains an additionally timestamp to support multiple backups in the same folder.	minor
Cubis-23448	Add: Backup of customized QAPPs	The backup and restore functions include customized QAPPs.	minor
Cubis-24249	Add: Restore from internal backups	Restore from backups that are created during firmware update.	minor
Cubis-23006	Add: Additional SMB options	Add domain specific parameter to SMB connector settings	minor
Cubis-19583	Extend: Firmware functions for minimum weight	Title in menu changed from "minUSP" to "Minimum weight" Add minimum weight procedures according to PhEur, EURAMET, SQMin and user defined	minor
Cubis-22824	Extend: On-Device Help	Added help for maintenance functions and updated several other chapters	announcement
Cubis-23098	Add: SICS command TA	Added SICS command TA to read and write tare values	minor
Cubis-23228	Remove: Option for USB interface	Obsolete option for using hardware flow control via USB interface has been removed	minor
Cubis-23415	Fix: Auto-Reconnect for digital I/O	Automatically restores the state of digital I/O ports after disturbance of connection	minor
Cubis-23521	Add: new option for activation of serial interfaces	All serial interfaces can be configured to be active continuously or just during task runtime	minor
Cubis-21331	Add: Function to delete installed QAPPs	A new service and repair function to delete installed QAPPs.	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-22603	Add: Create Task in QAPP center	New tasks can be created directly from the QAPP center information screen.	announcement
Cubis-24248	Add: Network Diagnostic function	New diagnostic function in the network menu provides the connection information from a ping command.	announcement
Cubis-24157	Fix: Performance of UserCAL	Significantly improved the speed of UserCAL application for retrieving and showing the results	minor
Cubis-24087	Add: Customized Factory Defaults	Add service function to automatically import a customized configuration after reset to factory.	announcement
Cubis-24363	Add: Show information about warning triangle	The reason for the warning triangle in weighing screen is shown when it is touched.	announcement
Cubis-22128	Fix: Error 350 – Interface management	Fixes the issue of random Error 350 during serial communication (SBI, XBPI) over Ethernet over long periods of time.	minor
Cubis-24354	Fix: QAPP Restart slows down device	Fixes the issue of a slowdown of the device over time if the QAPP is always restarted from the report preview screen.	announcement
Cubis-24188	Add: SBI option for “immediate output without stability”	New option enables out of order command responses for command sequences (e.g. print after tare while tare is still active).	minor
Cubis-23417	Fix: SICS output starts automatically	SICS output starts automatically after reboot if configured in the menu	minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-06.01.10 CN:76B3

Release date: 2021-10-14

Summary of changes from previous version:

This update is a minor update. It has some functional extensions, changes and fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-24571	Add: Lock / unlock weigh screen via xBPI command	The touch screen of the balance can be locked / unlocked for any touches in weigh mode.	announcement
Cubis-24600	Add: Reading of active weigh cell	xBPI command added to read the active weigh cell due to compatibility reasons in xBPI protocol	announcement
Cubis-24632	Change: SBI ESC P printing also for applicative values	The change affects the printout of weight values per SBI. With this change also applicative, calculated values are printed on ESC P.	minor
Cubis-24524	Add: Printable data elements for each weight value	The configurable data elements for each printed weight value have been increased by Device ID 1, Device ID 2, model and serial number	announcement
Cubis-24582	Fix: Error may occur when LDAP connection is instable or weak	Stabilization of device's behavior when handling instable LDAP connections	minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-06.01.11 CN:76B3

Release date: 2021-11-10

Summary of changes from previous version:

This update is a minor update. It has some functional extensions, changes and fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-24689	Add: GLP parameter for invalidation reason	Allows if entry exist to set the position of the invalidation text in print out	announcement
Cubis-24695	Add: SBI print out of calculated values includes unit	The unit of calculated values will be print out if the system can ensure that the value cannot be confused with an approved value.	announcement
Cubis-24688	Fix: Keyboard entries are cut off if length exceeds	The input ensures that texts that are too long are recognized and reported back.	minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-07.01.01 CN:76B3

Release date: 2021-12-20

Summary of changes from previous version:

This update is a major update because it has many functional extensions, changes and fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-24387	Extend: Limiting of automatic backup	The automatic backup to internal SD card is limited by 4 GB and max. 10 backups	minor
Cubis-23825	Change: Overview of existing TCA	The timer-controlled actions overview shows the created actions instead of categories. New actions will be created by category.	announcement
Cubis-23362	Add: TCA Automatic export of DSD	The data storage device can be exported automatically with a timer-controlled action.	minor
Cubis-24506	Change: Help texts corrected and added	Help texts adapted to current version. Supports now Spanish, Russian, Italian and French	announcement
Cubis-24482	Extend: Role management	The rights structure for roles has been extended. Each main menu item as well as some subitems of the device setting can be assigned individually.	minor
Cubis-24517	Extend: Active role from LDAP, support of Microsoft Active Directory schema	The logged-in user role can be taken from the LDAP. Support of standard attributes for Microsoft Active Directory.	minor
Cubis-24515	Fix: Barcode scanner for Pinyin keyboard	Barcode scanner works also with Pinyin keyboard	announcement
Cubis-23636	Extend: YDP30 print limit extended	The maximum printable items for YDP30 is increased to 1000. An information and furthermore a warning will inform about reaching critical limits.	minor
Cubis-24519	Fix: IP address is shown also for Wi-Fi	The IP address in Wi-Fi mode wasn't shown correctly.	announcement
Cubis-24280	Extend: Auto logout	Auto logout shows a message 60 sec before logging out. Palm key, USB keyboard, Website, touch or interval printing prevents from logout.	minor

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-24516	Fix: FTP/FTPS-Connector stability	FTP/FTPS connector can handle time-consumable transfers.	announcement
Cubis-24589	Add: Support of Hungarian and Polish; customer language	The firmware supports Hungarian and Polish language. Other languages may be reloadable during operation.	minor
Cubis-24632	Add: SBI with calculated values	SBI supports now to print calculated values shown in display	minor
Cubis-24600	Add: xBPI Read active weigh cell	Reacts on the query for the active weigh cell, what should be 01; added for compatibility	announcement
Cubis-22603	Add: Create task out of QAPP center	A task can be created out of the QAPP center when showing a licensed QAPP	announcement
Cubis-24675	Fix: isoCAL automatic trigger	isoCAL starts when automatic execution is set	minor
Cubis-24667	Add: REST call for firmware update	The balance firmware can be updated via REST	announcement
Cubis-24674	Extend: Diagnostic file via website	The diagnostic file can be downloaded on device website	announcement
Cubis-24670	Change: Russian language improved	The Russian language for firmware has been reviewed and improved	announcement
Cubis-24721	Extend: Distinguish between display and login name	The firmware shows the display name for reports. The login name is used for identification only. The display name can be taken from the LDAP.	minor
Cubis-24685	Add: REST call for QAPP Center update	The QAPP center can be updated via REST	announcement
Cubis-24872	Add: Monitoring of the occupied temporary memory	The firmware monitors the occupied temporary memory for internal operation. An information will be should if limits are reached.	announcement
Cubis-24875	Fix: correct behavior of internal disk space check	The way of determining the free internal memory has been revised and optimized.	announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-07.01.04 CN:76B3

Release date: 2022-02-19

Summary of changes from previous version:

This update is a minor update because it has only fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25013	Fix: Chown command during startup	Fixes internal access for QAPP data	minor
Cubis-25146	Fix: Parameter serialization "infinty"	Fixes a migration error from an earlier migration < 09-03-06.01.xx	minor
Cubis-25147	Fix: Parameter serialization for QAPPs	Fixes an error from an earlier migration < 09-03-06.01.xx	minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-07.01.05 CN:76B3

Release date: 2022-03-01

Summary of changes from previous version:

This update is a minor update because it has only fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-24384	Extend: Interface selection for SBI direct print profile	Allows to select the dedicated interface for the SBI direct print.	minor
Cubis-24870	Extend: 16 character line for SBI print	Allows to select the output of 16 or 22 character lines in the SBI output and SBI direct print. The 16 characters option will always hide the header.	minor
Cubis-25017	Fix: Time formats in Audit trail	The time format for different presentations of the Audit Trails have been corrected.	minor
Cubis-25009	Extend: Duplicate user	Create a new user based on an existing one	minor
Cubis-24988	Fix: Role rights to create task	Task creation out from QAPP Center checks the existing role right.	minor
Cubis-24987	Fix: Audit trail fixes for incomplete entries	Completion and correct formatting for some Audit Trail items	minor
Cubis-24495	Fix: Missing sounds	Sounds for missing events adapted	minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-07.02.04 CN:76B3

Release date: 2022-06-22

Summary of changes from previous version:

This update is a minor update because it has only fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-24684	Fix: Wifi connection	Updated library corrects connection lost after an amount of events	minor
Cubis-24237	Fix: NTP message in standby	Due to some reasons in standby the NTP time check could result in a message	announcement
Cubis-25148	Fix: SBI line break for date / time	Due to some reasons the line break of timestamp wasn't set	minor
Cubis-25164	Fix: Frequent time adaptations	Due to some reasons the time adaption has been triggered quite often	minor
Cubis-25163	Fix: Role change after duplicate	The role of a duplicated default user could not be changed	announcement
Cubis-25346	Fix: http / https connector import	The import of http/https connector led to a failure in data structure	minor
Cubis-25420	Fix: Missing audit trail after extension licensing	After licensing an extension, the audit trail entry wasn't created	minor
Cubis-25434	Fix: Changed unit after power cycle	After a power cycle a changed unit was not stored persistently.	minor
Cubis-25438	Fix: PWR missed in list of SICS commands	In the list of SICS command IO PWR was missing	announcement
Cubis-25517	Fix: Text alignment corrected	In some cases the front-end showed a wrong alignment of items	announcement
Cubis-25474	Fix: Several findings in settings report	GLP print parameters were shown incorrectly	minor
Cubis-25145	Fix: Report with measurement	Measurement uncertainty was printed in off mode	announcement
Cubis-25426	Fix: Draftshield not working after standby	After standby the rotation draftshield didn't work any more	minor
Cubis-25022	Extend: Allow redirect YDP30 to USB	After a failed printing on YDP30 it is possible to store the report on USB	announcement
Cubis-25422,	Extend: Lock/unlock balance by webservice	Balance is able to show a lock screen; can be unlocked by authorized user or webservice	announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25423			
Cubis-25442 Cubis-25443	Extend: added SICS I10, I11	SICS commands I10 to get/set balance device ID1 and I11 to query balance type added	announcement
Cubis-25457	Extend: added SICS M13	SICS command M13 to block touch display in weighing mode added	announcement
Cubis-25483, Cubis-25522	Extend: Messages on website, Website adapted to Sartorius CD	The current and history messages can be viewed on website; Corporate design for website structure	announcement
Cubis-25485	Extend: Hide DSD	Service function: hides DSD menus (no effect on function; but due to customer requirements it can be hidden)	announcement
Cubis-25485	Extend: current preload	The currently set preload can be shown.	announcement
Cubis-25489	Extend: Webservice to control tasks	Tasks can be started and stopped by webservice	announcement
Cubis-25490	Extend: SSID selection	The SSID can be selected in Wifi connection	announcement
Cubis-25495	Extend: Job management	Introduction of jobs generated from other systems	announcement
Cubis-25488 Cubis-25486 Cubis-25496	Extend: Update of QAPP center and customized QAPPs in QAPP center	QAPP Center and customized QAPPs can be updated directly in QAPP center	announcement
Cubis-25499	Extend: Delete QAPP licenses	Service function to delete all manually entered licenses (not affecting on factory licenses)	announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-07.02.06 CN:76B3

Release date: 2022-08-18

Summary of changes from previous version:

This update is a minor update because it has only fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25640	Change: improved memory write access cycles	Avoid competing write access for diagnostic data which may result in error 290 / 292 without having a hardware defect. Introduced error 97 instead of 292	minor
Cubis-25673	Fix: Time deviation message shown even no NTP server active	Due to some reasons a message was shown in time synchronization without NTP	announcement
Cubis-25679	Fix: Error 350 triggered unexpectedly	The evaluation of errors resulted in an error 350 even the real reason was another one.	minor
Cubis-25677	Fix: SSID scan time could result in error 350	The scan for wifi network ssids could lead to a timeout failure error 350.	minor
Cubis-25674	Fix: Restart task after standby	Restart of tasks is possible after a standby has been performed by a timer-controlled action.	announcement
Cubis-25671	Fix: Competing write access in web service	Web service request could lead to time out through competing memory access (deadlock)	announcement
Cubis-25700	Extend: Fatal error screen message and UI improved	Fatal error screen has a button to create a diagnostic file and to restart the balance; Fatal errors split into different categories; introduced error 349	announcement
Cubis-25678	Change: Device named Cubis	Changed Cubis II, Cubis Advanced to device family group name Cubis	announcement
Cubis-25690	Fix: Initial operating assistant with customer configuration	Competing settings in customer configuration could lead to a deadlock in IOA.	announcement
Cubis-25661	Extend: Execution of concatenated SBI command	Multiple commands sent at once are executed one by one	announcement

Recommendations:

We recommend the update for all users to avoid errors regarding memory write access.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-07.02.07 CN:76B3

Release date: 2022-10-11

Summary of changes from previous version:

This update is a minor update because it has only fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25803	Change: SBI command	Harmonization of SBI commands: x5, O, R added	announcement
Cubis-25803	Change: isoCAL warning limits	Safe weighing with configurable warning limits in isoCAL	minor
Cubis-25733	Change: diagnostic file with extended information	In case of a fatal error an extended diagnostic file will be created from error screen.	announcement
Cubis-25591	Change: data structure for webservice firmware update adapted	Data structure of compressed firmware update can be flat	announcement
Cubis-25547	Change: Text adaption	Text for configuration of power button adapted	announcement
Cubis-25810	Change: information message hidden	Information message 307 will no longer be displayed for non-service users.	announcement
Cubis-25830	Change: Text adaption	Weighing accuracy text adapted: fast filter -> fast	announcement
Cubis-25831	Fix: Sporadic error 349	Changed software leaks leading to error 349	minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-07.02.10 CN:76B3

Release date: 2023-02-15

Summary of changes from previous version:

This update is a minor update because it has only fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26121	Add: Message for palm keys	Message in case of palm keys could not be recognized correctly	announcement
Cubis-25885	Fix: USB connection	USB connection reestablished after standby	announcement
Cubis-25985	Fix: Stability for SBI	Connection will be reestablished in case of a connection loss	announcement
Cubis-26163	Fix: Freeze after standby	Fixed possible freeze after wakeup from standby	announcement
Cubis-26028	Fix: Initial clock setting	Fixed possible software crash because of race conditions	announcement
Cubis-26158	Change: parameter check on task start	Internal parameter could lead to error 350 at task start on migrated balances	minor
Cubis-26168	Change: ReST call handling	Sensitive check to react on external ReST calls	announcement
Cubis-2176	Fix: Sporadic printer errors	Adapted protocol format for network printer	announcement

Recommendations:

We recommend the update for all users having problems with task start error 350.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-07.02.11 CN:76B3

Release date: 2023-02-24

Summary of changes from previous version:

This update is a minor update because it has only fixes for issues of the previous release.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25886	Fix: Message screen	Message screen in TCA didn't reappeal after standby	announcement
Cubis-25885	Change: Service parameter	For some network printer types the default paper size can be configured	announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.02.08

Release date: 2023-03-24

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a major update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
1679	Add: Unit microgram	Unit microgram available in print profile	announcement
1685	Add: 9 digits in display	Weight value support for high resolution balances	announcement
1686	Add: SBI for internal climate module	Added command to get internal climate values via SBI	announcement
1689	Add: External climate tower	Provide support for external climate tower via USB	announcement
1691	Add: Internal climate module	Provide support for internal climate module via USB	announcement
1693	Add: Gesture sensor (YHS02USB)	Provide support for gesture sensor via USB	announcement
1851, 4515	Add: Licensing of ionizer and draft shield	Ionizer and draft shield can be activated by license (MCA-3 only)	announcement
2066	Change: Visibility of temporary errors	The duration of temporary error has been adapted	announcement
3465, 3784, 3787, 3789	Add: cleaning support	Device supports cleaning by programmable settings	announcement
3532, 3535	Change: ionizer and draft shield rule set adapted	Ionizer behavior adapted due to usage of inner draft shield	announcement
3533	Add: Ionizer automatic	Add option to start ionizer when door opens	announcement
3675	Add: Incidence indicator	Number of incidences is shown at the status center icon	announcement
3792	Add: Backup data partition in recovery console	Data backup possible from recovery console	announcement
3826	Add: Repro test	Repro test (Service mode) includes measurement time	announcement
4257	Add: xBPI licensing commands	Added internal xBPI commands to provide hardware licensing in production	announcement

Sartorius ID	Brief Change Description	Comment	Classification
4563	Add: Model dependent support of outer and inner draft shield	Device behavior adapted to support different draft shield configurations	announcement
4804	Add: Contextual help	Contextual help possible for QAPPs	announcement
2577	Fix: DSD memory validation	Rework of verification algorithm	announcement
2582	Fix: ReST setTare2	Command could lead to invalid weight values	announcement
2590	Fix: Audit Trail export	TCA module selection enhanced	announcement
2592	Fix: Website behavior	Some browsers behave different on internal device website	announcement
2595	Fix: ReST response in error case	Low / high could lead to inconsistent responses	announcement
2596	Fix: xBPI command chains	Behavior of xBPI command chains improved	announcement
2597	Fix: DSD error	Early data storage could lead to an error 345 during DSD verification	announcement
2612	Fix: Marking of weight values	Rule for exclamation marks on reports improved (validated balances only)	announcement
3160	Fix: Error 345 as warning	Error 345 will be a warning instead of fatal error (non-validated balances only)	announcement
4011	Fix: Characters in export file name	Exclude non ASCII-characters in export file name to support different file formats	announcement
6220	Fix: USB connection after standby	Reestablish USB connection after standby	announcement
8910	Add: Order of status tile according severity	The status center tile are automatically reordered regarding to the severity.	announcement
4802	Add: Info after expired trials	Balance shows information when a trial period expires after startup	announcement
8937	Add: Diagnostic data for palm keys	Diagnostic data for palm keys added to diagnostic file	announcement
9895, 9898	Add: Auto close of information messages	Information messages are automatically closed after 60 sec.	announcement
10218, 10387	Add: Check correct palm key teach	Balance checks the successful teaching of palm key and show a message in case of a failure	announcement
10353	Add: Improved information FTPS	Error messages improved for failed FTPS connections	announcement

Sartorius ID	Brief Change Description	Comment	Classification
10379	Fix: Connection to ELISE	Behavior and trigger for error 357 improved	announcement
11113	Add: HTTP/HTTPS connectors	Connectors for webservices available by default	announcement
11788	Change: Weighing profile	Initial setting of weighing profile "Weighing in Fume Hood" change regarding to balance model (Cubis II / MCA-3)	minor
11843	Add: show percentual calibration deviation	If warn limits active the calibration deviation is also shown in percent	announcement
11847	Fix: xBPI production commands	Internal production process optimized	announcement
2584	Fix: report files timestamp	Timestamp with respect to local time	announcement
3687	Fix: Calibration behavior	Corrected behavior of calibration state to avoid lock	announcement
4004	Fix: Message category	Maintenance necessary message is shown as warning	minor
4674	Fix: Reporting and pending transfers	Corrected behavior of pending transfers and current active print outs	announcement
5625	Fix: Missing unit in audit trail calibration report	Corrected unit in audit trail calibration report	announcement
10731	Fix: Overlapping dialogs	Auto logout clears also overlapping dialogs	announcement
11881	Change: Initial operator rights	Manage task removed from initial Operator role; visibility of role management adapted to allow rights change of predefined roles	announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Notice:

With this release, the listed identification of the change (Sartorius ID) is based on a new system. For any questions refer to the release version and this number.

Firmware package 09-03-08.02.09

Release date: 2023-03-28

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
13007	Change: Print limitation	Print item limitation removed for data profiles	announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.03.01

Release date: 2023-05-26

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
3173, 7220, 9094, 11089, 12825, 13092, 13230, 13393	Stability fixes	Different fixes regarding software stability	Announcement
3060	Add: User website login	User has to logon on device website. Functions are connected to user's role (esp. Remote control, Audit Trail, DSD, settings)	Minor
7472	Fix: Diagnostic file download	Synchronized different wording on device and website	Announcement
10499	Fix: Removed unused button	Button "Trend" for climate modules removed	Announcement
13264	Change: Improved export of Audit Trail	Reworked and reduced time of Audit Trail export; download of current Audit Trail from website	Announcement
13640	Fix: Status indicator	Status indicator in main menu in some cases not updated immediately	Announcement
13702	Add: Get jobs	Added Webservice API to receive complete list of jobs and their state	Announcement
14039	Fix: Time stamp in AM / PM	Corrected the right sign for AM/PM in printout	Minor
14295	Add: CSV column separator	Configuration of column separator and decimal sign in CSV report	Announcement
14326	Change: Rights for remote control	The global settings for remote control changed to role setting	Minor
15041	Add: PC direct line break	Line break can be selected as column separator to simpler evaluate values	Announcement

Sartorius ID	Brief Change Description	Comment	Classification
15468	Fix: Missing minus sign in Audit Trail	Negative calibration values has been stored without negative sign in Audit Trail	Minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.03.04

Release date: 2023-09-05

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
2997	Add: Quick find login user	Selection of user to login allows filtering	Announcement
17774	Add: Task information	Task information overview shows order number, version and name of QAPP	Announcement
15237	Add: GLP parameter	GLP parameters provide current used profiles, date / time for start, takeover, end	Announcement
19587	Add: Error 110 on startup	If connection to weighing module could not be established correctly, error 110 will be risen.	Announcement
14122, 14155, 18202, 20043	Change: Website layout	Sartorius brand conform layout for different device website modules	Announcement
20155	Change: Detection of proximity sensor	Balance checks correct connection of proximity sensor (MCA-3), added error 233 to support diagnostic	Announcement
15471	Fix: Language based layouts	Improvement layouts for different translations; translations improved	Announcement
16487	Change: Layouts	Changes due to given Sartorius design principles	Announcement
20203	Integrate new WPC / BAC	New internal software versions due to fixed of draft shield and SBI commands MCA-2: BAC: 00-61-03.01.19 WPC: 05-08-04.01.19 MCU: 05-08-04.01.19 MCA-3: Fusion BAC: 00-62-01.01.10 Fusion WPC: 05-09-01.02.02	Minor

Sartorius ID	Brief Change Description	Comment	Classification
		Fusion MCU: 05-09-01.02.02	

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.
A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.03.07

Release date: 2023-11-10

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
15757	Change: Device certificate	Cubis Product Authority changed to Sartorius Factory Authority; derived certificates renewed; possibly updates in connected systems (browsers) required	Minor
20803	Add: Sound for USB	A sound can be played when a USB is plugged or unplugged.	Announcement
21988, 20042	Fix: Translations	Missing translations added, some Italian texts were corrected / improved; no functional change	Announcement
23399, 23597	Fix: LDAP role assignment	Fixed internal evaluation of LDAP user groups for role assignment	Minor
23404	Fix: Missing special characters	Added some missing characters for some languages; no functional change	Announcement
17773, 17787, 23523	Change: Website improvements	Smaller fixes on device website regarding browser compatibility	Announcement
23625	Add: Indication of pending file transfers	Status center counter in main menu shows also failed file transfers	Announcement
24100	Fix: Audit Trail	Change capacity from 30.000 to 300.000; device website supports export	Announcement
24101	Change: Time zone information and system clock behavior	Time zone information updated to version 2023c of www.iana.org/time-zones System time adaptations are logged as "System" in Audit Trail System Clock messages got message number (140-142) and are stored in message archive.	Minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.03.08

Release date: 2023-11-20

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
24926	Add: Lock balance	The usage timeout can be configured to lock the device or log off the user [default].	Announcement
24505	Fix: Log off warning	In some cases, the logout screen was displayed in standby.	Announcement
24845	Fix: Tare button	In some cases, the tare button remained disabled even though the gross was positive.	Announcement
24933	Add: US Central Standard time	Added CST to the list of time zones (refers to Chicago time)	Announcement
24957	Change: SBI debug messages	Debug messages improved for SBI communication	Announcement

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.03.10

Release date: 2023-12-15

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
9349	Add: Hide TCA confirmation dialog	Prewarning dialog of next executed TCA can be hidden.	Announcement
26349	Change: TCA for backup cancellation	Execution of timer-controlled backup cannot be cancelled by user.	Announcement
25447	Fix: Audit trail export	Webservice export of more than 1000 items lead to an exception.	Announcement
26074	Fix: UTC offset	UTC time information updated	Announcement
26216	Fix: Initial operating assistant, languages	During device setup, profiles were sometimes created with English as the default language, even when a different language was selected.	Announcement
26247	Change: CSV profile	CSV output has changed from print format style to comma separated value style. GLP sections are separated by a blank line.	Minor
26294	Fix: HMI slows down	Reinitialization of background services resulted in slow user interface interactions.	Announcement
26337	Fix: ClockHandler initialization	The system clock could not be initialized during startup due to conflicting system calls.	Announcement

Recommendations:

We recommend this update for users who need any of the above improvements. If users are using CSV print profiles, review your configuration and report files. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.03.11

Release date: 2024-01-25

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
27711	Change: Help for LDAP adapted	Help User Management changed; Setup of LDAP	Announcement
27740	Add: ReST retrieve current async id	Running async webservises answer with number of still running async id	Announcement
27739	Fix: Rotation draft shield	In automatic mode the opening position of rotation draft shield deviated over time	Announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.03.12

Release date: 2024-02-09

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
28145	Fix: Occasionally delayed SBI response with chained commands	With chained commands (e.g ESCT + ESCP) the response was occasionally delayed (approx. 60 seconds)	Announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.03.14

Release date: 2024-03-05

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
10857	Fix: Print profile reference	After import of a print profile the reference could be lost	Announcement
29850	Fix: Import of CSV profile failed	Red screen after import of CSV profiles resolved	Announcement
30101	Extend: User calibration check	Check for performed user calibration before task start	Announcement
30415	Change: Dynamic HTTP/S connector	Edit behavior of connector changed due to usage restrictions (no add, no delete, no import)	Announcement
30420	Fix: API result logged in user	Result didn't contain any data.	Announcement
30429	Extend: Text file	Print profile to generate text files added	Announcement
30526	Fix: User name in report	Corrected user name in reports when no user is logged in	Announcement
30605	Change: Data file print profile	Profile allows also mass storage as destination	Announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.01

Release date: 2024-06-21

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA. It introduces features for mass comparator devices.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
18652, 32157	Fix: File access rights	File access rights in internal structure could lead to inaccessible QAPP data	announcement
31532	Add: PC direct protocol: + sign is optional	Ability to print weights without positive sign, parameter in profile	announcement
31616	Fix: Missing translations	Spanish translations adapted and added	announcement
32149	Add: Internal weights parking position	In standby internal weights are moved to parking position	announcement
32151	Change: Climate values with two decimal places	Climate values on screen and all interfaces always have two decimal places	announcement
32154	Fix: Correction of climate sensors with internal parameters	The internal correction factor for climate data is corrected.	announcement
32155	Add: Provide meta data of climate sensors	The meta data of climate sensors can be retrieved (SBI protocol adapted to V1.5)	announcement
32281, 32359	Add: Network timeouts adapted	Handling of multiple connection attempts improved	announcement
32361	Add: Individual logo on report PDF	Individual logos (PNG) can be used in task reports	announcement
32473	Add: Service function	Determine the internal substitution weight	announcement
32783	Add: SBI command c{ }_	Provide all required climate data (SBI protocol adapted to V1.5)	announcement
32874	Fix: Exceptions in Draft shield modules	When shutting down to standby irregularly errors in draft shield software module due to timing effects	announcement
33819	Add: SBI command p{ }_	Convert display value on SBI output to a given unit (SBI protocol adapted to V1.5)	announcement

Sartorius ID	Brief Change Description	Comment	Classification
34322	Fix: Wrong error indication	LDAP settings marked field as incorrect even values are correct	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.02

Release date: 2024-08-09

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA. It introduces features for mass comparator devices.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
48839	Change: Access user profile to change password	Optimized behavior to change own password, language and color profile	announcement
48840	Change: Calibration results	Calibration results needs user right to show (default on)	announcement
45067	Fix: Calculation of air density	Correction of calculation	announcement
47094	Fix: Climate temperature	Correction of calculation	announcement
47143	Fix: Access QAPP Center	User right is considered correctly	announcement
47464	Fix: Determination of substitution weight	Handling of substitution weight fixed	announcement
52490	Fix: Unplug of climate module	Device crashed when module was unplugged	announcement
52491, 54292	Fix: Barcode reader	Optimization of barcode event handling to prevent device slow down	announcement
52493	Fix: Internal event handling	Optimization of internal event handling to prevent device slow down	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.04

Release date: 2024-11-04

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
54354	Add: PC direct logging	Added user logging on USB-B for PC direct on Website	announcement
55110	Add: Memory monitoring	Memory leaks in user interface module could lead to a slow down or break of the software; message will indicate a high memory consumption	announcement
54095	Fix: Font exchange	Some QAPPs showed only _FONT_ in printout instead of symbol	announcement
55016	Fix: Import of non-default connectors in TCA failed	Some TCA could not be imported if they were using non-default connectors	announcement
55135	Fix: missing deactivation of service menu	For non-verified balances a service menu was not accessible	announcement
55313	Fix: Internal fixes	Unintended internal loop during software execution in the DSD software module	announcement
55103	Clear printer cache	After successful print the internal printer cache is freed	announcement
55433	Fix: Climate module	Different fixes for climate module support and stability	announcement
55384	Add: Show print reports on website	The last reports are saved on the device to prevent data loss. Only accessible via the device website.	announcement
55386	Add: task information in meta data	Task and QAPP information are stored in meta data of samples. Only accessible via the device website.	announcement
55387	Add: lot and sample ID in meta data	Lot and sample IDs are stored in meta data of samples. Only accessible via the device website.	announcement
56737	Add: Metadata on device website	The metadata of stored samples in the Data Storage Device (DSD) can be	announcement

Sartorius ID	Brief Change Description	Comment	Classification
		shown in detailed information section of the device's website.	
55616	Add: Power button	Added mode to react on touch duration: short press: standby; long press: power off	announcement
56414	Fix: Clear filter in DSD	After setting a date in DSD filter it was not possible to clear the filter without leaving the menu.	announcement
56645	Fix: Unintentional redirect to main menu	After a logout the screen returned to main menu because of race conditions	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.05

Release date: 2024-11-13

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
57180, 57181, 57182	Add: SBI commands enhanced	Added SBI commands: s11_ @, ?, For more details, see the accompanying updated documentation	announcement
57183	Fix: SBI timeout behavior	SBI tare can lead to timeout; improved debug information	announcement
57045	Fix: Reports on website	Added in 09-03-08.04.04; added needed right to display on device website	announcement
57147	Fix: GLP date / time configuration	Format of date / time on GLP printout has not been applied in version 09-03- 08.04.04	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.06

Release date: 2024-11-20

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
57481	Fix: Minimum weight invalidation	Parameter changes were not stored after leaving menu	announcement
57495	Add: SBI command pt1	Added SBI command pt1 to set preset tare, further details in interface specification	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.07

Release date: 2024-12-12

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
66652	Fix: crashes in migration	Unexpected crashes led to data loss	announcement
66684	Fix: service user	Service was duplicable	announcement
66771	Fix: missing translation for MCM	Some texts didn't have a translation in MCM dialogs	announcement
66774	Fix: firmware update	Firmware could not be updated for completely deleted balances	announcement
66878	Fix: SBI unit format	3-character unit format correction for climate commands	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.09

Release date: 2025-01-17

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
66950	Add: migration information	Information collected during data migration is stored for diagnostic reasons	announcement
67044	Fix: Complete migration step	Incomplete migration step from version 09-03-07.02.07 led to inconsistent view of task descriptions and missing icons	announcement
67423, 68038	Fix: Time zone	Time zone information in operating system led to wrong print of timestamps. Added "Mountain Standard (UTC - 7:00)"	announcement
68036	Fix: Enforced user calibration	Check now respects the last execution result of user calibration	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.11

Release date: 2025-01-29

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
68467	Fix: Dublin time zone offset	Additional fix for version 08.04.09. It could happen that a time offset of 2 hours occurred with the Dublin time zone on a printout.	announcement
68468	Fix: End of report time for calibration report wrong	The end time of a calibration report could erroneously be before the start date.	announcement
68655	Fix: Wrong start time of report in case calibration was performed after task start	The start time of a task printout could be incorrect if a calibration was performed after the task start.	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.04.12

Release date: 2025-08-15

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
93383	Change: Text	Firmware update text adapted to ensure personal device data backup has been created.	announcement
70894	Fix: Backup / Restore	Possible memory corruption fixed	announcement
71682	Fix: Migration	Migration fixes to ensure device operability after update	announcement
93283	Fix: Reporting	Possible software errors resulting in fatal error fixed	announcement
93427	Fix: NTP sync	After standby NTP time adaptations automatically performed	announcement
93540	Fix: Draftshield	MCA-3: possible errors due to unhandled exceptions fixed	announcement
93628	Fix: Hid handling	External keyboard handing improved	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-08.05.04

Release date: 2025-10-10

MCA-2 CN: 4E00 | MCA-3 CN: AB9F

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
73586	Pharmacopoeia Update	Added Chinese Pharmacopoeia, added safety factor; change Minimum Weight to Desired Minimum Net Weight	announcement
116005	Fix: Internal meta information	Internal meta file with version information could be deleted during startup. Properly cause error 520.	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-09.01.05

Release date: 2025-04-30

MCA-2 CN: 1CBD | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a major update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
4066, 32170	Add and change: Network functions	Disable network in total, control of mDNS / zero conf	announcement
29970, 32215	Add and change: Wi-Fi	WPA2 Enterprise support, Wi-Fi USB drivers updated	announcement
29975, 33507, 47335, 47336, 67571	Change: LDAP, LDAPS	LDAP(S) configuration improved (wizard), Website configuration enhanced	announcement
30678	Add: Deep standby	Deep standby mode added to reduce power consumption	announcement
32213, 32214, 46395, 66874, 72270	Change: Operating system updated	Updated to Yocto 5.x, HMI reworked in total with new graphic library, languages Turkish, Dutch and Czech added (firmware)	announcement
42662	Change: behavior of parameter setting	Parameters must actively be confirmed; added unsaved changes notification	announcement
43245	Add: Audit trail export	Added audit trail export for filtered view	announcement
45471, 54180, 67998	Change: REST API	Commands for Climate, task start and version information rework, added or enhanced	announcement
52989	Change: Pending transfers	Enhanced information for pending transfers	announcement
53054, 54360	Change: Menu structure	User management is part of access management; weighing and printing settings separated and new organized	announcement
54456	Add: Japanese Pharmacopoeia	Option added in minimum weight	announcement
56482	Add: Checks for import	Settings import improved regarding compatibility	announcement
56738	Add: Invalidation reason	Invalidation reason is stored in meta data (readable on website)	announcement

Sartorius ID	Brief Change Description	Comment	Classification
57243	Add: Reproducibility tests	Added internal / external repro tests as option in Calibration / Adjustment task	announcement
66219, 66220, 66222, 66229, 66232, 66236, 72830	Change: SICS command set	SICS command set and behavior aligned to behavior on Mettler XPR balances	minor
66401	Add: SBI automatic leveling	SBI command for automatic leveling added	announcement
66420	Change: Audit trail / DSD	Maximum entries enhanced to 300.000 entries. Indication of fullness adapted	minor
67021	Add: Device management	Connected USB devices shown in status center; plug in or off indication	announcement
67022	Add: Printer error indication	Error preventing message if YDP30 is connected but not recognized	announcement
68271	Change: Diagnostic file	Content has been adapted	announcement
69656, 71128	Change: Certificate management	Certificate expiration message improved; overall number of device certificates reduced	announcement
51708, 53991, 72336, 72525	Fix: Missing translations, text adaptations	Identification and fixing different missing translations; texts harmonized and adapted	announcement
57642	Change: Maximum length of device ids	Length for Device ID 1, 2 and Group ID increased; Device ID 3 added	announcement
67115	Fix: SICS M13	Command for blocking touch events in screen corrected	announcement
68202	Change: Color scheme removed	Color scheme is not supported anymore due to redesign of HMI	announcement
69898	Add: Assign roles to tasks	Role can be assigned to tasks at once; when creating new tasks all roles allowed to execute tasks are automatically added	announcement
71464	Change: Device sounds	Device sounds harmonized, startup sound	announcement
70541	Fix: SBI output format	SBI output partially harmonized	announcement
73019	Change: Print all items	All configured print items are printed, even they are empty (previously not printed)	minor
72589	Change: Role rights on task start	Due to new role rights the rights are evaluated before task start	announcement

Sartorius ID	Brief Change Description	Comment	Classification
72517, 72973, 72965, 73837, 73741, 73673, 73406, 73477, 73849	Fix: Stability and memory improvements	Several fixes on internal memory management and software stability	announcement
67018	Change: Meta data	Weight value meta data is shown on device	announcement
73428	Fix: 820d check	Added 820d check for Japanese Pharamacopoeia	announcement
73475	Change: Login method	When changing the login method to local password the password is always reset	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-09.01.07

Release date: 2025-05-28

MCA-2 CN: 1CBD | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
55651	Fix: file name for export	Entered custom file name was forgotten after stepping back	announcement
72150, 72544, 82617, 82716, 83695, 83700, 83896	Fix: graphical adjustments	Diverse graphical adjustments in user interface	announcement
72524	Fix: No export for non-licensed items	Menu items only activated by license aren't shown in export selection any more	announcement
73966	Fix: Access mass storage	Role access right to access mass storage is given when updating from version 8 and lower.	announcement
82748	Fix: Timestamp in DSD export filename	Restored filename behavior for DSD export	announcement
83299	Fix: Possible issues regarding Wifi	Software could crash after settings of wifi were updated	announcement
82703	Fix: Possible Audit Trail issues	The check of a full Audit trail could lead to a software issue and red screen.	announcement
2602	Add: Retry dialog for http / https	In case a http / https request could not be sent the data will be stored	announcement
67424, 84076, 73966	Add: role access right	Role get right to remove invalidation for User Calibration; rights to access mass storage refined	announcement
82691	Fix: typography errors	Diverse typographical errors have been fixed	announcement
82704	Fix: Chinese keyboard	Added missing characters	announcement
84199	Fix: Network settings	Network settings kept after migration from previous versions	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-09.01.08

Release date: 2025-07-11

MCA-2 CN: 1CBD | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
83715, 83751, 85573	Add: Selection / Login of users via physical media	Users can teach physical media to be used for either selection or direct login on the login screen. Currently, the Promag RFID reader for Mifare cards is the only supported device.	announcement
84488	Add: Internal diagnostic tool	Internal service tool to analyze diagnostic data added.	announcement
84821	Add: YDP30 printout adjustments	Service function to adjust printout on YDP30	announcement
85373	Add: Direct print for data file	Print profile data file has been extended by direct print options	announcement
86086	Add: Netstat diagnostic	Network diagnostic to scan for open ports	announcement
86652	Add: SBI t0_ clear tare	SBI command set extended by clear tare t0_ (see protocol description)	announcement
52356	Fix: Hostname	Edited hostname did not become active	announcement
69961	Fix: Partial Audit trail export	Partial audit trail export incorrectly resets audit trail capacity	announcement
69962	Fix: Audit trail export on website	Audit trail export from balance website did not reset the capacity	announcement
72469	Fix: Import of ethernet setting	Imported ethernet settings have not become active	announcement
72540	Fix: No audit trail for export	Export of device settings only created a file transfer	announcement
72656	Fix: Wrong information stored for isoCal report with webservice profile	Information corrected for isoCal report in weighing task for webservice report	announcement
72743	Fix: Audit trail for calibration / adjustment report setting	Each change of setting in Calibration/Adjustment menu created a single Audit trail entry	announcement

Sartorius ID	Brief Change Description	Comment	Classification
72833	Fix: Deletion of QAPP Center	Service mode: deletion of QAPP Center (service function) led to missing translations in created apps	announcement
72972	Fix: Fatal error opening last reports	Opening the last reports on website the device could crash	announcement
73726	Fix: External links in on device help	Links to external content was clickable on device without any interaction	announcement
73871	Fix: Y-axis labels in graphs	Labels in graphs did not match displayed points and lines (e.g., QAPP User Calibration)	announcement
73888	Fix: Ionizer could be started in home screen	Footswitch could start the ionizer in home screen	announcement
82772	Fix: Automatic logout	The touches/interactions did not reset the auto-logout message when another message was displayed in the meantime, even though the counter was at zero.	announcement
83335	Fix: Task documentation	The task documentation only worked for one task until the reboot.	announcement
83932	Fix: Wrong number of climate modules	Device settings export showed wrong number of connected climate modules	announcement
84017	Fix: Task name validation	Task name not unique info not displayed when task name consisted of long strings	announcement
84019	Fix: Search keyboard	Search keyboard became inoperable with huge amount of data	announcement
84492	Fix: QAPP license expired	When loading task configuration of license expired apps the loading screen remains after license expired message	announcement
85292, 85364, 86735	Fix: Fatal errors	Several changes to fix fatal software crashes	announcement
85570	Fix: DSD export	Long entries in DSD export get word wrap	announcement
3524	Change: WebSocket highjacking fixed	Cross origin WebSocket highjacking for Website MQTT	announcement
72400	Change: Settings of calibration/ adjustment	Wording of calibration / adjustment functions	announcement
72599	Fix: QAPP trial license	Second trial of each QAPP was possible	announcement

Sartorius ID	Brief Change Description	Comment	Classification
82690	Change: Japanese keyboard	Japanese keyboard reworked in total	announcement
82696	Fix: Draft shield automatic	isoCal excluded from draft shield automatic close -> function -> open to keep doors closed after function	announcement
83592	Fix: barcode Code128	Barcode misses space character in print preview	announcement
85612	Change: I ² C power cycle adapted	Power cycle adapted to work with PCA motion sensor	announcement
85853	Fix: Sort order of DSD on website	Sort order did not change with full capacity of DSD	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Firmware package 09-03-09.02.02

Release date: 2025-08-04

MCA-2 CN: FC99 | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
73938	Fix: Error 901: Diagnostic file creation from balance website	Generating a diagnostic file from the website resulted in Error 901 when there was a large amount of data.	announcement
83295	Fix: Auto logout during export of dsd / audit trail	A configured auto logout also occurred during a DSD or audit trail export.	announcement
84823	Fix: Wrong network configuration after update	Previously set network parameters were not active immediately after the update, but only after restarting the device.	announcement
85005	Fix: Option "Enforce UserCal" was not working correctly	If the "Enforce UserCal" option was configured, even an aborted user calibration was recognized as "completed," meaning that tasks could still be started. This fix requires the installation of a new QAPP Center 09-06-09.08.01, QAPP version 3.1.2.	announcement
85429	Fix: Barcharts wrong height	Bar graphs in QAPPs sometimes had the wrong height in the visualization.	announcement
85996	Fix: Error after connection check to unreachable YDP30-Net	The connection check to a YDP30-Net connector with an incorrect IP address resulted in a fatal error.	announcement
87344	Fix: Export of audit trail sometimes stuck in progress screen	It could happen that the progress screen was not closed correctly when exporting the audit trail.	announcement
92336	Fix: Weighing value with 9 digits not correctly displayed in data storage device	On devices with 9 digits (Fusion), weighing values were not displayed with full resolution in the data storage device.	announcement
92540	Fix: File not transferred via SMB	Despite correct SMB configuration, files were not transferred completely	announcement

Sartorius ID	Brief Change Description	Comment	Classification
92728	Fix: OMNIS application always only provides one client within network	If several OMNIS clients are accessible in the network, only one client is ever offered in the OMNIS application.	announcement
92852	Fix: Linkit application printout could lead to an error	If no expiry date was configured in the application, no successful printout could be created.	announcement
92895	Fix: Some models were not adjusted correctly after the update.	Some models could not be adjusted correctly after the update	announcement

Recommendations:

This is a required update for users who have installed a version following the pattern 09.03.09.01.XX.

Otherwise, we recommend this update for users who need any of the above-mentioned improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Notice:

Users who wish to use the "Enforce UserCal" function must update the QAPPCenter to version 09-06-09.08.01 and create a new task for the User Calibration QAPP. Users who do not need to use this function do not need to perform this update.

Firmware package 09-03-09.02.03

Release date: 2025-08-22

MCA-2 CN: FC99 | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
93988, 93989	Add: DSD webservice	ReST calls adapted to retrieve records with meta information	announcement
87313	Change: Website draft shield status	Changed update interval on website for draft shield information	announcement
92965	Change: USB connector file renaming	Existing files were renamed instead of overwritten.	announcement
92788	Fix: GUI updates	Adaption of buttons	announcement
93068	Fix: Error boot counter	Boot counter was reset even if there was an error in startup	announcement
93427	Change: NTP synchronization	NTP sync in eco mode adapted	announcement
93443	Fix: Port 8011	Port wrongly open to outside (minor risk: network security)	minor
93628	Fix: HID input	Special keys were not working	announcement
93651	Fix: Auto logout interruption	Events did not reset auto logout when message was already shown	announcement
93954	Fix: Selfmonitor	Communication error could lead to software error 349 in SelfMonitor	announcement
94000, 94505	Fix: Import of settings	Print profile import reacts to older versions; import of dynamic http(s) connector	announcement
94489	Add: Omnis login	Omnis login screen allows to save login credentials, QAPP update to 2.2.2 needed	announcement
94556	Fix: Device lookup	Changes in network subnet mask did not lead to reinitialize device lookup	announcement

Recommendations:

This is a required update for users who have installed a version following the pattern 09.03.09.01.XX.

Otherwise, we recommend this update for users who need any of the above-mentioned improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Please check dependencies, recommendations and notices from previous versions.

Firmware package 09-03-09.02.05

Release date: 2025-09-12

MCA-2 CN: FC99 | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
96677	Adaption for production	Internal adaptations for production	announcement

Recommendations:

This is a required update for users who have installed a version following the pattern 09.03.09.01.XX.

Otherwise, we recommend this update for users who need any of the above-mentioned improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Please check dependencies, recommendations and notices from previous versions.

Firmware package 09-03-09.03.02

Release date: 2025-11-20

MCA-2 CN: FC3D8E41 | MCA-3 CN: 08D3A0C2

Summary of changes from previous version:

This update introduces major version 9 for legally approved balances. The package includes firmware and application package for different balance models of the Cubis MCA.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
73586	Relevant changes to Pharmacopeia	Minimum weight adaptations for different methods; added Chinese Pharmacopeia	announcement
94713	Add: warning of outdated version	Usage of non-compatible QAPP is checked	announcement
116061	Add: Software identification	8-digit software check number; Operating system identification and check number added	announcement
116288	Add: SMB error handling	Additional information on SMB error handling	announcement
68929	Add: Scrolling on Website	Fix: Enabled scrolling by mouse wheel on remote control	announcement
85530, 94799	Fix: Error 350	Possible error 350 fixes: - Device Information module; - Device settings export	announcement
95431	Fix: missing logs	Website missed showing logs depending on update rate	announcement
95435	Fix: Approval brackets	Fixed wrong display of approval brackets for setting "Last digit of" in DSD, print and print preview	announcement
96429	Fix: Remote Control	Update rate fixed to prevent flashing effects	announcement
96679	Fix: Production command	Timeout for production command fixed	announcement
96695	Fix: Leveling	First execution of automatic leveling failed	announcement
115028	Fix: Data migration	Possible error in migration 56 fixed	announcement
115124	Fix: Deep standby	Description of Deep Standby corrected	announcement
116325	Fix: Margin of YDP30 prints	Initial margins for printouts on YDP30 adapted	announcement

Sartorius ID	Brief Change Description	Comment	Classification
116330	Fix: Print preview	Fixed YDP30 print out wrapped weight values	announcement
117599	Fix: Date setting	Fixed handling of date 1.1.1970	announcement
117786	Fix: Error 82	Error 82 fixed for PCA devices	announcement
96412, 98645, 117471, 117078	Internal changes	Refactoring and internal library changes	announcement

Recommendations:

We recommend this update for users who need any of the above improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Please check dependencies, recommendations and notices from previous versions.

Firmware package 09-03-09.03.05

Release date: 2025-12-03

MCA-2 CN: FC99 | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes the firmware and the associated application components required for various Cubis MCA balance models.

The release focuses on stability improvements, bug fixes, and quality-of-life enhancements identified in field operation, service feedback, and internal verification activities. No functional extensions or new feature sets are introduced.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
83502	Fix: Japanese Keyboard	Corrected automatic translation / handling of Japanese characters.	announcement
106601	Fix: CPU load	Reduced unexpectedly high CPU load occurring during remote operation scenarios.	announcement
118351	Fix: Color of confirm button	In AM/PM selection screens, the confirm button color now updates correctly after value changes.	announcement
119087	Fix: HMI	Restarting the balance (warm start only) could cause the HMI to remain stuck	announcement
119098	Fix: Printing failed	Eliminated connection loss during internal report generation.	announcement
119134	Fix: Error 570	Allow export even if some data is partially unavailable.	announcement
119165	Fix: Service login	Modified service user profiles can now correctly authenticate using the service code.	announcement
119172	Fix: Audit trail for restarting task	Added audit-trail entry when a task is restarted (depends on installed QAPP version).	announcement
119173	Fix: Reoccurring service message	Daily recurring service message fixed; message no longer appears if the service date is in the future.	announcement
119184	Fix: Display of user name	Username was truncated in factory mode; now displayed correctly.	announcement
119215	Fix: Data Migration 56	Improved resilience against different historical database formats to prevent migration failures.	announcement

Sartorius ID	Brief Change Description	Comment	Classification
119247	Fix: Missing title	Titles are now correctly shown in multi-selection dialogues in QAPPs.	announcement
119250	Fix: Translation of NET	Eliminated inconsistencies in translation of weighing-related captions.	announcement

Recommendations:

This is a required update for users who have installed a version following the pattern 09.03.09.01.XX.

Otherwise, we recommend this update for users who need any of the above-mentioned improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Please check dependencies, recommendations and notices from previous versions.

Firmware package 09-03-09.03.10

Release date: 2026-03-05

MCA-2 CN: FC99 | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes the firmware and the associated application components required for various Cubis MCA balance models.

The release focuses on stability improvements, bug fixes, and enhancements identified in field operation, service feedback, and internal verification activities. No functional extensions or new feature sets are introduced.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
117726, 123805, 123806	Add: Date range selection	Audit trail and DSD on device can filter by date	announcement
119327	Fix: Reliable recover broken CAN connection	Fixed stability in recovering a lost connection to weighing module	announcement
122707	Fix: QAPP port	Fixed QAPP listening publicly on port 8081	announcement
122868	Fix: QAPP center deadlock	Installing individual QAPPs could lead to a system deadlock	announcement
123211	Fix: SICS T	T+ was sent despite positive gross values	announcement
123736	Fix: Windows share in OneDrive	Fixed connection to a Windows Share (SMB) in a One Drive folder	announcement

Recommendations:

This is a required update for users who have installed a version following the pattern 09.03.09.01.XX.

Otherwise, we recommend this update for users who need any of the above-mentioned improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Please check dependencies, recommendations and notices from previous versions.

Firmware package 09-03-09.03.14

Release date: 2026-03-16

MCA-2 CN: FC99 | MCA-3 CN: C1CD

Summary of changes from previous version:

This update is a minor update for Cubis MCA balances. The package includes the firmware and the associated application components required for various Cubis MCA balance models.

The release focuses on stability improvements, bug fixes, and enhancements identified in field operation, service feedback, and internal verification activities. No functional extensions or new feature sets are introduced.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
124860	Fix: Password parameter	Fix return of empty parameter	announcement

Recommendations:

This is a required update for users who have installed a version following the pattern 09.03.09.01.XX. Otherwise, we recommend this update for users who need any of the above-mentioned improvements. A re-qualification of the basic balance functions covered by the IQ/OQ is not recommended for the update from the previous version.

Please check dependencies, recommendations and notices from previous versions.

QAPP Center 09-06-03.00.00

Release date: 2019-03-07

Summary of changes from previous version:

This is the initial public QAPP Center release.

QAPP Center 09-06-03.00.03

Release date: 2019-03-07

Summary of changes from previous version:

This update contains fixes, stability enhancements and no functional extensions.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-15235	Improve: QAPP-Library and initialization of QAPPs	Faster startup of QApps	minor
Cubis-15145	Fix: Backweigher	Rounding for loss in % improved	minor
Cubis-15278	Fix: Flexible Formulation	App workflow with manual takeover	minor

Recommendations:

The update is optional.

The changes to existing QApps are minor and existing Tasks work unchanged.

A re-qualification is not recommended for the update from the previous version.

QAPP Center 09-06-04.00.06

Release date: 2019-08-12

Summary of changes from previous version:

This update contains five new QApps, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-02.02.14.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-15355	Add: QApp Pipette Checker	Application for simple and reliable testing of piston stroke pipettes.	announcement
Cubis-15352	Add: QApp Tablet Checker	Application for average weight control of tablets and capsules.	announcement
Cubis-15345	Add: QApp Residual dirt analysis	Application for gravimetric determination of the residual dirt according to VDA19.	announcement
Cubis-15344	Add: QApp Residue on ignition	Application backweigher with ignition loss	announcement
Cubis-16593	Add: QApp StarLIMS	Application for workflow integration with StarLIMS system	announcement
Cubis-15600	Add: Auto print in animal weighing	New option for automatic takeover of weight values in animal weighing	minor
Cubis-15738	Change: QApp Backweigher	Add new option "Tare before initial weighing"	minor
Cubis-15423	Fix: Backweigher	Fix formatting problem in printout	minor
Cubis-15739	Fix: USP Advanced	Fix rounding error for standard deviation	minor
Cubis-17707	Fix: Warning for too long sample ID	Fixes behavior in several QApps when sample ID gets longer than 20 characters	minor
Cubis-18024	Fix: Performance problem in Backweigher	Slowdown after many initializations fixed	minor
Cubis-17984	Fix: Bar chart	Issue with grouping in several QApps	minor
Cubis-16718	Fix: Restart on Flexible Formulation	First screen after restart is corrected	minor

Recommendations:

The update is recommended.

The changes to existing QApps are minor and existing Tasks work unchanged.

A re-qualification is not recommended for the update from the previous version.

QAPP Center 09-06-04.01.07

Release date: 2019-11-14

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

An updated version of QAPP library is used in all QAPPs.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-15347	Add: QAPP Diameter determination	Application to determine the diameter of round wires and cylindrical solid bodies.	announcement
Cubis-15346	Add: QAPP Filter particulate matter	Application for differential weighing of filters.	announcement
Cubis-15351	Add: QAPP Formulation in single vessel	Application to weigh in recipes in multiple vessels with support for databases SQLite and Postgres.	announcement
Cubis-15350	Add: QAPP Formulation in many vessels	Application to weigh in recipes in one single vessel with support for databases SQLite and Postgres.	announcement
Cubis-19457	Add: Extend QAPP Tablet Check	Many new functions and fixes	minor
Cubis-18231	Add: Tablet feeder support	QAPP tablet check can control tablet feeder	announcement
Cubis-19566	Fix: QAPP Air Buoyancy correction	Add entry for fixed density of sample (RhoG) in print queue	announcement
Cubis-19577	Fix: QAPP Averaging with Backweigher	Fixed printing of parameters	announcement
Cubis-19581	Fix: QAPP Backweighing	Fixed printing of parameters	announcement
Cubis-19491	Fix: QAPP Counting with Checkweighing	Fix problem when entering reference weight	minor
Cubis-19429	Fix: QAPP Counting with Statistics	Fix takeover of sample no. 100	minor
Cubis-19500	Fix: QAPP Density with Pycnometer	Fix reset of default values after restart	announcement
Cubis-19551	Fix: QAPP Density of Solids with Statistics	Correct translations	announcement
Cubis-19490	Fix: QAPP Density of Solids with Statistics	Fix crash when using user defined medium	minor

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-19591	Fix: QAPP Flexible Formulation	Fix issues with component name	announcement
Cubis-18124	Fix: QAPP Pipette Check	Add new parameter °C/°F and new Icon	announcement
Cubis-19584	Fix: QAPP Residual Dirt Analysis	Fixed printing of parameters	announcement
Cubis-19587	Fix: QAPP Residual Dirt Ignition	Fixed printing of parameters	announcement
Cubis-19682	Fix: QAPP Statistic automatic	Sample number in print queue	announcement
Cubis-19685	Fix: QAPP Statistic manual	Sample number in print queue	announcement
Cubis-19575	Fix: QAPP User calibration	Deviation and result visible in report and corrected translations	announcement
Cubis-17687	Fix: QAPP User calibration	Set weight value invalid as long as balance locked	announcement
Cubis-19556	Fix: QAPP Counting	Show initial reference weight wRef in report	announcement

Recommendations:

The update is recommended.

The changes to existing QApps are minor and existing Tasks work unchanged.

A re-qualification is not recommended for the update from the previous version.

QAPP Center 09-06-05.01.09

Release date: 2020-05-08

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-19452	Add QAPP: MYCAP CCX cell passaging	Application for aseptic transfer of media or inoculum between MYCAP CCX flasks using peristaltic pumps.	announcement
Cubis-19448	Add QAPP: Final Pharma Filling	Application for filling liquid products from reservoirs into vessels or bags using peristaltic pumps.	announcement
Cubis-19455	Add QAPP: Fogging	Application for Fogging test according to DIN EN ISO 75201.	announcement
Cubis-19454	Update QAPP: Filter particulate matter	Application for differential weighing of filters updated	announcement
Cubis-15375	Add QAPP: Omnis Connector	Application for connection to Metrohm OMNIS software for titration workflows	announcement
Cubis-15324	Add QAPP: Measurement uncertainty	The measurement uncertainty is dynamically calculated for each weight value and shown in display and printout.	announcement
Cubis-21957	Add QAPP: Weighing with Barcode / QR code printing	Weighing application for printing ID's or weighing results as barcode or QR code.	announcement
Cubis-21956	Add QAPP: Interval print	Application to automatically collect weight value in fixed intervals and save to a CSV file	announcement
Cubis-18922	Add QAPP: Loss on drying	Application for differential weighing according to USP chapter 42 < 731>	announcement
Cubis-19523	Add: QAPP support for check weighing signal light	All check weighing QAPPs now support the use of the external signal light (VF4763)	announcement
Cubis-21110	Add: new option for QAPP user calibration	Additional option for displaying the results of multiple user calibration tasks together	announcement
Cubis-20926	Fix: QAPP advanced density of solid	The task parameters entered during the workflow are saved for next task start	announcement

Recommendations:

The update is recommended.

The changes to existing QApps are minor and existing Tasks work unchanged.

A re-qualification is not recommended for the update from the previous version.

QAPP Center 09-06-05.03.02

Release date: 2020-10-30

Summary of changes from previous version:

This update contains new QAPPs, changed colors and icon designs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-21057	Change: Rebranding QAPPs	All QAPPs have updated icons. New colors for graphs.	minor
Cubis-19449	Add QAPP: Standard Preparation	Application for preparations of standards or buffer of known concentration.	announcement
Cubis-22320	Update QAPP: Advanced Tablet Checker	Tolerances according to Pharmacopoeia, new options for statistics, new product type powder	minor
Cubis-22851	Update QAPP: Advance Free Formula	Extend length of formula to 30 characters	minor
Cubis-22687	Fix QAPP: Pipette Check	Corrected the calculation of the limit values according to ISO8655	major
Cubis-23085	Update QAPP: Advanced Loss On Drying	New icons for powder and capsules.	minor

Recommendations:

We recommend the update for users of firmware 09-03-05.01.11 or higher to align the look and feel of the QAPPs with the look and feel of the firmware.

If required, users of the QAPP Pipette Check should repeat the performance qualification (PQ) to check the tolerances applied by the new QApp version.

The changes to other QApps are minor. We do not recommend a re-qualification for users of those QAPPs.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-05.05.02

Release date: 2021-03-24

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-19457	Add: QAPP Advanced Average weight control according to chapter 22 76/211/EEC	Supports: -Nominal filling quantity up to 10 kg -User-defined tolerances	announcement
Cubis-23517	Add: QAPP Weighing with SBI output	For SBI direct output with 16 characters	announcement
Cubis-23384	Extend QAPP Pipette Check	- Added new shape D2 - extended limits for min/max Vol - additional calculations for conformity - climate module serial number - free nominal value for pipette	minor
Cubis-23174	Fix: QApp Interval Print	Improved stability over long periods	minor
Cubis-23259	Fix: QAPP Advanced Tablet Checker	- shift statistics with PostgreSQL - several bugfixes and improvements	minor

Recommendations:

We recommend the update for user that need one of the above-mentioned improvements.

We recommend the update for users of firmware 09-03-05.01.11 or higher to align the look and feel of the QAPPs with the look and feel of the firmware.

If required, users of the QAPP Pipette Check should repeat the performance qualification (PQ) to check the new QApp version.

The changes to other QApps are minor. We do not recommend a re-qualification for users of those QAPPs.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-06.02.06

Release date: 2021-08-16

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-23383	Add: QAPP Filterability index	This QAPP is used for measuring the filterability of beverages.	announcement
Cubis-23365	Add: QAPP Sampling with IDS sensor	This QAPP is used for weighing samples and measuring pH and temperature with IDS sensors in one step.	announcement
Cubis-23423	Extend: QAPP Average weight control	- Nominal filling quantity: >10 kg or > 10 liter; add units kg, cl and l - New precision values according to new FPVO and paragraph numbers - Acquire with task password, add mode individual tare, show mean value in cumulative statistics - Add mode liquid without air buoyancy correction. - Quantity - Length or area - Unequal nominal filling quantity - Samples with drained weight	major
Cubis-23085	Extend: QApp Loss on drying	- Add Chinese Pharmacopoeia ChP - Conformity check acc. to USP and PhEur, - Enable samples with more than one tablet or capsule - New sample type "Contents of capsules" added - Increased max. number of lots to 100	minor
Cubis-23940	Extend: QAPP Advanced tablet checker	- Product settings can be modified and test repeated - Quick check results not stored in the database - Product parameter cannot be modified, if at least one result exists on that product - several bugfixes and improvements	minor
Cubis-23936	Extend: QAPP Density with pycnometer	Add second formula for air buoyancy correction according to DIN EN ISO 1183-1:2019	minor
Cubis-22135	Extend: QApp Air Buoyancy Correction	Add second formula for air buoyancy correction according to DIN EN ISO 1183-1:2019	minor

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-23384	Extend: QAPP Pipette Check	Two calculations added: - Conformity systematic measurement error (% Es) - Conformity random measurement error (% CV)	minor
Cubis-22428	Extend: QAPP USP Advanced	Add minimum weight according to PhEur	minor
Cubis-23923	Fix: QAPP Filter particulate matter	Change unit from kg/m ³ to g/cm ³ for density of calibration weight and density of the filter material. Default for filter material changed from 2.5 to 2.3 g/cm ³ .	minor
Cubis-19583	Extend: QAPP minUSP	Title of QAPP changed from "minUSP" to "Minimum weight" Add minimum weight procedures according to PhEur, EURAMET, SQMin and user defined	minor
Cubis-24381	Fix: QAPP Weighing with SBI output	Fixes for Chinese and Japanese language.	announcement
Cubis-21003	Fix: QAPP Interval print	Fix dependencies to firmware changes	announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

If required, users of the QAPP Average weight control should repeat the performance qualification (PQ) to check the new QApp version.

The changes to the other QApps are minor and a re-qualification is not recommended for the update from the previous version. Existing Tasks continue to work unchanged.

QAPP Center 09-06-07.01.03

Release date: 2021-12-16

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-22586	Add: Average Weight Control F&B	This application is used to control the filling process of vessels according to the 76/211/EEC or with freely entered tolerances.	announcement
Cubis-24843	Extend: QAPP Essential Statistics, make printout configurable	Following reporting items are optional in printout: -number of components -mean value -standard deviation -variation coefficient -sum -minimum & maximum - difference (maximum - minimum) Add new statistical evaluation (difference between last 2 values) => also optional on printout	minor
Cubis-24588	Extend: QAPP Essential Statistics, increase print item limits in QAPPs	Number of samples increased from 100 to 1000	minor
Cubis-24865	Fix: QAPP Sampling with IDS sensor, remove additional directory for print documents	Additional directory "406" for print documents removed	minor
Cubis-24573	Fix: QAPP Essential Interval Printing, prevent auto logout trigger	Added interval timer, to pretend a HMI action, to prevent the auto logout (if configured)	minor

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version. Existing Tasks continue to work unchanged.

QAPP Center 09-06-07.02.01

Release date: 2022-05-20

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-24986	QAPP104: USP Advanced - Increase firmware dependency	Set firmware dependency check to >7.0.0 because of audit trail changes	Minor
Cubis-24897	QAPP106: UserCal Advanced - Fixed audit trails	Made audit trails be compatible with HTML exports	Major
Cubis-25383	QAPP005: Pipette Check - Extend reporting	Add climate module parameters to report	Minor
Cubis-25381	QAPP006: AWC F&B - Fixed workflow start	Workflow could not be started with a non-supervisor user	Major
Cubis-24901	QAPP009: MyCap - Fixed print preview	Print preview did not open in some cases	Minor
Cubis-24989	QAPP403: New Connector extension for webservices	New extension for using free configurable webservices as reporting connectors	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version. Existing Tasks continue to work unchanged.

QAPP Center 09-06-07.02.04

Release date: 2022-08-12

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25419	QAPP003: Average Weight Control, fixed bug	Fixed workflow behaviour (especially with free tolerances) when working with negative values	Minor
Cubis-25454	QAPP003: Average Weight Control, print density	Add entered density to printout	Minor
Cubis-25387	QAPP010: New web service report extension	New extension QAPP, to enable the web service based print profile	Announcement
Cubis-25386	QAPP107: New UserCal QAPP	New user defined calibration QAPP, to act as a Unit Operation	Announcement
Cubis-25636	QAPP207: Backweigher, changed parameter "loss"	Instead of showing "Loss", now the application shows the "Gain", if value increased.	Minor

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version. Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.01.01

Release date: 2022-12-15

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25914	QAPP006: Average Weight Control F&B	Fixed stuck automatic acquisition at tare weighing EF (in some rare cases). Fixed creating an invalid product dataset when using no tare tolerances.	Announcement
Cubis-25966	QAPP006: Average Weight Control F&B	Fixed stuck process when using no tares if a tare was previously set up in product dataset but changed later.	Announcement
Cubis-25481	QAPP003: Average Weight Control	Added option to edit density of product for single test processes	Minor
Cubis-25651	QAPP012: Filling with LinkitAx	New QAPP: Derivative of QAPP008 (Filling) especially for LinkitAx	Announcement
Cubis-25905	QAPP302: Free formula	Added option, to only report measurements	Minor
Cubis-25915	Fixed log output for multiple QAPPs	Cleaned log outputs for several QAPPs	Minor
Cubis-25949	QAPP510: Weighing APP	Fixing problem with creating new tasks of Weighing QAPP	Minor

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.05.04

Release date: 2023-03-14

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26230	QAPP212: Advanced Check Weighing Statistics	Fix: Workflow errors depending on certain parameters	Announcement
Cubis-26235	QAPP501: Essential Statistic	Fix: re-enabling take over button	Announcement
Cubis-25313	QAPP403: Dynamic HTTP Connector	Removed from AppCenter; always visible in firmware version since version 8.	Announcement
Cubis-26151	QAPP006, QAPP107, QAPP406, QAPP514	Fix: Fixed double audit trails, when creating or modifying tasks of QAPPs	Announcement
Cubis-26014	QAPP1001, QAPP1002	Added: Hardware extension for high capacity micro balances	Announcement
Cubis-26013	QAPP002: Tablet Checker	Fix: Workflow errors depending on certain parameters	Announcement
Cubis-26010, Cubis-26042	QAPP012: Linkit	Fix: Workflow errors depending on certain parameters, translations	Announcement
Cubis-26009	QAPP205: Counting with checkweighing	Fix: minor workflow errors, added unit selection for enterable reference weight	Announcement
Cubis-26248	QAPP514: Cleaning App	Added: Cleaning App for high capacity micro balances	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version. Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.06.01

Release date: 2023-03-28

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25351	QAPP011: Pipette check UO	Added: New pipette check unit operation QAPP, compatible to Ingenix	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.08.01

Release date: 2023-08-15

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-25432	QAPP005: Advanced Pipette check	Missing translations added	Announcement
	QAPP510: Essential Weighing	Updated QAPP Library - throwing message to firmware when QAPP is restarted	Announcement
Cubis-26338	QAPP501: Essential Statistics	Automatic take over function added	Announcement
Cubis-26339	Several QAPPs	Chinese translations improved	Announcement
Cubis-26231	QAPP307 (Statistics Manual): Improved work state storage	Better message texts, improved readability for report, do not automatically delete cache, when maximum number of samples is reached.	Announcement
Cubis-25432	QAPP005 (Pipette Check): Adapt to new ISO norm 8655	Differentiate between Single- and multichannel pipettes. Changes in Error ranges. Add the testing of a multichannel pipette.	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.08.02

Release date: 2023-09-05

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26346	QAPP514: Fix accessibility bug	Fix bug that allow microbalances to create task of QAPP514.	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.09.02

Release date: 2023-11-08

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26369	Remove: StarLIMS extension	Due to incompatibility removed from QAPP Package	Announcement
Cubis-26373	Add: Cleaning QAPP model support	Cleaning QAPP supports all currently available Cubis MCA models	Announcement
Cubis-26365	Fix: QAPP212 Checkweighing	Checkweighing with counter did not display additionally calculated values (e.g. "LL", "HH", ...) on main weighing screen, when task is initially started.	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.09.03

Release date: 2023-11-20

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26385	Fix: QAPP513 functional tests	Functional test is less sensitive	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.09.04

Release date: 2023-12-14

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26396	Fix: QAPP513 functional tests	Functional tests use different stable criterion	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.11.01

Release date: 2024-04.24

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26407	QAPP510, QAPP505, QAPP302: Translations	Polish translations added	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.11.03

Release date: 2024-05-07

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26407	QAPP010: Removed	Web service report removed from QAPP center; licensing no longer needed	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.12.03

Release date: 2024-08-22

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-02.02.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26437	QP9 with QAPP901 MassCal added	Added new MassCal QAPP for Mass comparators	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.12.04

Release date: 2024-11-13

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-08.03.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26449	QAPP512 Fix: Randomly stop of measurement	Fixing random stops of restarted measurements	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.13.02

Release date: 2025-01-02

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-08.03.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26452	Improvement QAPP503: Essential Density Application	Extended the selection of decimal places for the calculated result from [0-3] to [0-5]	Announcement
Cubis-26451	Fix QAPP107: UserCal Unit Operation	Fixed behaviour, when loading corrupt job data in UserCal unit operation. Fixed missing conventional entry in result tab.	Announcement
Cubis-26445	Fix QAPP006: Average Weight Control F&B	Removed the possibility to select MSSQL as the database language for a centralized datastorage. Because of updates in referenced software modules it cannot be guaranteed, that the connection always opens correctly. A rework of this feature is planned.	Announcement
Cubis-26441, Cubis-26443	Improvement QAPP204: Counting with reference weight	Process can now be restarted faster and the reference weight (or quantity) is modifiable within the weighing-initialization screen	Announcement
73376, 73617	Fix and Improvement QAPP004: Filterability Index	Prevent product creation on balances with to low max load. Default values could be greater then there maximum. Prevent product creation on balances with to low max load	Announcement
Cubis-26458	Fix QAPP214: Flexible Formulation	Show "Result Recipe report" after all components were taken over	Announcement
Cubis-26459	Fix QAPP406: IDS Sampling	Loading screen did not disappear	Announcement
Cubis-26465	Fix QAPP308: Statistics Automatic	Fixed colors on barchart	Announcement
68387	Fix QAPP219 Advanced Averaging with Checkweighing and QAPP205 Advanced Counting with Checkweighing	The traffic light (VF4763) sometimes does not turn on	Announcement

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26455	Change QAPP202: Density with Pycnometer	If pycnometer volume and/or weight is preset, the workflow for determination of density is shorter	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
 The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
 Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.14.01

Release date: 2025-05-26

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-08.03.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26469	Add QAPP223	Add new formulation QAPP, which can be started as a Unit Operation	Announcement
Cubis-26462	Change QAPP003: Advanced Average Weight Control	Add variable tare options and quicktest	

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.15.01

Release date: 2025-06-10

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-08.03.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
85438	Fix QAPP003: Advanced Average Weight Control	Fixed crashes on finishing a lot, if at least one quicktest was performed in that lot	Announcement
Cubis-26457	Add QAPP514	New essential QAPP "Easy ID"	

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.16.01

Release date: 2025-07-07

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-08.03.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26440	Improvement QAPP002: Tablet Checker	Added printout configuration, redesigned lot management, added product database transfer, enabled MSSQL database access, two new procedure types for capsule tare determination, defined explicit limits for datasets (max. 100 lots + max. 500 tests per lot).	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.17.01

Release date: 2025-07-30

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-08.03.14. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26495	Improvement QAPP003: Advanced Average Weight Control	Extend maximum sample count from 50 to 200	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-08.18.02

Release date: 2025-10-06

Summary of changes from previous version:

This update introduces new standards for minimum weights regarding USP, Pharm.EU, JP, ChP. The USP Advanced QAPP is totally renewed. This QAPP Center version requires minimum firmware 09-03-08.05.01. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
73586	Improvements for QAPP104 USP Advanced	Chinese Pharmacopeia - addition to the minimum weight and USP Advanced (and changes of US Pharmacopoeia)	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above. The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version. Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.03.03

Release date: 2025-04-30

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-09.01.06. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26452	Improvement in Essential Density application	Extended the selection of decimal places for the calculated result from [0-3] to [0-5]	announcement
Cubis-26451	Bugfix in UserCal Unit Operation	Fixed behaviour, when loading corrupt job data in UserCal unit operation	announcement
Cubis-26445	Bugfix in Average Weight Control F&B	Removed the possibility to select MSSQL as the database language for a centralized datastorage. Because of updates in referenced software modules it cannot be guaranteed, that the connection always opens correctly. A rework of this feature is planned.	announcement
Cubis-26441, Cubis-26443	Improvement in Counting with reference weight	New features in QAPP204: Process can now be restarted faster and the reference weight (or quantity) is modifiable within the weighing-initialization screen	announcement
Cubis-26458	Bugfix in QAPP214 Flexible Formulation	Show "Result Recipe report" after all components were taken over	announcement
Cubis-26459	Bugfix in QAPP406 IDS Sampling	Loading screen did not disappear - fixed	announcement
Cubis-26465	Bugfix in QAPP308 Statistics Automatic	Fixed colors on barchart	announcement
68202	Removed: QAPP extension Color scheme	QAPP Extension Color scheme was removed from Utility package	announcement announcement
68387	Bugfix: Advanced Averaging with checkweighing and Advanced Counting with Checkweighing	The traffic light (VF4763) sometimes does not turn on	announcement
72110	Bugfix QAPP Formulation single vessel and QAPP Formulation in multiple vessel (Cubis-9 only)	Set decimals and preferred decimals to 7 so user can enter decimal numbers for weight values in recipe in Cubis-9 too	announcement
45037	QAPP Cleaning	Fixed bug at loading, to show weighing screen	announcement

Sartorius ID	Brief Change Description	Comment	Classification
69986	QAPP Advanced User Calibration	Fixed bug on repeatedly pressing next button in reports	announcement
72398	QAPP Omnis	Add timeout parameter	announcement
72399	QAPP Formulation in many vessels	The bin button was displayed in yellow color	announcement
54456	QAPP USP Advanced	Add procedure Japanese Pharmacopoeia	announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.04.01

Release date: 2025-05-13

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-09.01.06. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26454	Change in QAPP214 Flexible Formulation	Flexible formulation with tare print	announcement
Bug 67424	Bug in QAPP106 UserCal	Delete invalidation depending on role right	announcement
Cubis-26455	QAPP202 Density with pycnometer: add pycnometer volume and weight	If pycnometer volume and/or weight is preset, the workflow for determination of density is shorter.	announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.05.01

Release date: 2025-05-26

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-09.01.06. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26469	Add new QAPP223	Add new formulation QAPP, which can be started as a Unit Operation	announcement
	Updated global error texts		announcement
Bug 84346	QAPP404: Fixed Omnis QAPP	Fix for communication error.	announcement
Cubis-26455	QAPP202: Improved Density determination QAPP	Density with pycnometer application: add pycnometer volume and weight	announcement
Bug 67424	QAPP106: New translation for UserCal QAPP	QAPP UserCal: Add translations	announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.06.01

Release date: 2025-06-18

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-09.01.07. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26475	Bugfix QAPP006 (version 1.1.2)	Average Weight Control F&B: fix bad behavior in automatic weighing	announcement
85438, Cubis-26462	Bugfix QAPP003 (version 2.0.1)	Average Weight Control: Fix crashes on finishing a lot if at least one quicktest was performed in that lot; add variable tare options and quicktest	announcement
Cubis-26457	Initial release of new QAPP514 (version 1.0.1)	New essential QAPP "Easy ID"	announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.07.01

Release date: 2025-07-14

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-09.01.07. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
Cubis-26440	Improvement QAPP002 (version 3.0.4)	Tablet Checker: Added printout configuration, redesigned lot management, added product database transfer, enabled MSSQL database access, two new procedure types for capsule tare determination, defined explicit limits for datasets (max. 100 lots + max. 500 tests per lot).	announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.08.01

Release date: 2025-08-04

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-09.02.03. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
83694 / 85005	Improvement QAPP106 (version 3.1.2)	UserCal: - Create audit trail entry for invalidation / validation of weighing value - Enforce UserCal check works correct now	announcement
92783	Change QAPP404 (version 2.2.1)	OMNIS: Increase timeout for communication to OMNIS system to prevent "Communication error"	announcement
Cubis-26445	Change QAPP006 (version 1.1.3)	Average Weight Control F&B: Added again the possibility, to use MSSQL databases as external database. Changed the way of creating new tables/checking for table migrations. Tested with following external databases: [PostgreSQL server 11.7] & [MSSQL server 2019 (15.0)].	announcement
Cubis-26495	Change QAPP003 (version 2.1.0)	Average Weight Control: Extend maximum of samples from 50 to 200	announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.08.02

Release date: 2025-08-22

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-09.02.03. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
94489	Change QAPP404 (version 2.2.2)	- Fix restcall timeouts - Handle auto login into OMNIS software by saving OMNIS user credentials	announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.08.03

Release date: 2025-11-05

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.
This QAPP Center version requires minimum firmware 09-03-09.03.02. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
73586	Improvements for QAPP104 USP Advanced	- Chinese Pharmacopeia - addition to the minimum weight and USP Advanced (and changes of US Pharmacopoeia)	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.
The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.
Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.09.01

Release date: 2026-02-24

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-09.03.02. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
36102	Translations	Refined and added translations for ALL QAPPs inclusive QAppCenter package-descriptions & global error-texts	Announcement
26455	QAPP202: Density pycnometer (v3.6.1)	Density with pycnometer: add pycnometer volume and weight, enable filling pycnometer in one step Fix restcall timeouts	Announcement
123684	QAPP404: Omnis (v2.2.2)	Handle auto login into OMNIS software by saving user credentials	Announcement
27766	QAPP002: Tablet Checker (v3.0.6)	New feature: Mean of multiple tare weights	Announcement
27771	QAPP008: Filling (v2.0.0)	Total refactoring with lots of new features	Announcement
119576, 123678, 122493	QAPP106: UserCal (v3.2.1)	App crash fixes and new feature for a configurable reference field	Announcement
121435	QAPP211: Filter particulate matter (v1.4.1)	Add EPA 40 CFR §1065.690 / UNECE R154 for air density calculation and user defined air density	Announcement
122494	QAPP306: Air Buoyancy Correction (v1.5.1)	Calculate air density with climate module	Announcement
33253	QAPP514: Cleaning (v3.0.0)	Handle new balance models	Announcement
26499	QAPP002: Tablet Checker (v3.0.6) & QAPP008: Final Pharma Filling (v2.0.0)	Preparation for latest external databases	Announcement
27775	QAPP003: AverageWeightControl (v2.2.0)	Add parameter to the task configuration to set the default value for number of tare value measurements, number of reference sample measurements (in quantity products) and number of number of sample measurements	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

QAPP Center 09-06-09.09.02

Release date: 2026-03-13

Summary of changes from previous version:

This update contains new QAPPs, several fixes as well as performance and stability enhancements.

This QAPP Center version requires minimum firmware 09-03-09.03.05. However, some QAPPs required a more recent firmware. The specific firmware dependency for each QAPP is shown in the QAPP center.

List of changes from previous version:

Sartorius ID	Brief Change Description	Comment	Classification
27777	QAPP003: Average Weight Control (v2.2.1)	Fixed PostgreSQL database usage	Announcement
24642	QAPP008: Final Pharma Filling (v2.0.1)	Removed device-internal logging of sensitive data	Announcement
26499	QAPP003: Average Weight Control (v2.2.1) & QAPP006: Average Weight Control F&B (v1.1.5)	Preparation for latest external databases	Announcement

Recommendations:

We recommend the update for user that need one of the improvements listed above.

The changes to QApps are minor and a re-qualification is not recommended for the update from the previous version.

Existing Tasks continue to work unchanged.

Notes on the software update procedure

It is recommended that the software update be performed in the following order:

1. Back up device data to a USB storage device before starting the update.
2. Ensure uninterrupted power for the entire update process.
3. Install the firmware package update.
4. Install the QAPP Center update.
5. Create any required new tasks using the updated QAPPs.

Note

QAPP Center updates do not result in the automatic upgrading of installed tasks. These remain unaltered and are based on the QAPP version from which they were originally created. In order to upgrade tasks to the latest version, please install a new task from the latest version of the QAPP.