

Risk assessment for software updates

Cubis® CUB

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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 CUB. The software for CUB 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 CUB.

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 09-13-10.01.06

Release date: 2026-05-18

CUB CN: 452B88E0 | 19B3707B

Summary:

This is the first public firmware release.

QAPP Center 09-06-10.03.03

Release date: 2006-05-12

Summary of changes from previous version:

This is the initial public QAPP Center release.

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 file storage 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 or recreate 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.