



Programming manual (supplement)
Information on ifm MaintenanceTool

GB

CR0032
CR0033
CR0133
CR0232
CR0233
CR0234
CR0235
CR0303
CR7032
CR7132

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1 Preliminary note

You will find instructions, technical data, approvals and further information using the QR code on the unit / packaging or at www.ifm.com.

1.1 Legal and copyright information

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1.2 Symbols used

- ✓ Requirement
- Instructions
- ▷ Reaction, result
- [...] Designation of keys, buttons or indications
- Cross-reference
-  Important note
Non-compliance may result in malfunction or interference.
-  Information
Supplementary note

1.3 Warnings used

ATTENTION

Warning of damage to property

1.4 Change history

1.4.1 Issue 05 / 2022 – 11459026 / 00

- New creation of the document.

1.5 Applicable documents

► Observe applicable documents:

- Technical data of the device (data sheet)
- Mounting instructions / operating instructions of the device
- Programming manual of the device
- System manual Know-how ecomatMobile
- Software manual MaintenanceTool
- Accompanying documentation for targets and firmware, e.g. release notes
- CODESYS documentation

2 Safety instructions

- The unit described is a subcomponent for integration into a system.
 - The system architect is responsible for the safety of the system.
 - The system architect undertakes to perform a risk assessment and to create documentation in accordance with legal and normative requirements to be provided to the operator and user of the system. This documentation must contain all necessary information and safety instructions for the operator, the user and, if applicable, for any service personnel authorised by the architect of the system.
- Read this document before setting up the product and keep it during the entire service life.
- The product must be suitable for the corresponding applications and environmental conditions without any restrictions.
- Only use the product for its intended purpose (→ Installation instructions / Operating instructions, Intended use).
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property may occur.
- The manufacturer assumes no liability or warranty for any consequences caused by tampering with the product or incorrect use by the operator.
- Improper or non-intended use may lead to malfunctions of the device, to unwanted effects in the application or to a loss of the warranty claims.
- Installation, electrical connection, set-up, programming, configuration, operation and maintenance of the product must be carried out by personnel qualified and authorised for the respective activity.
- Observe applicable documents.

2.1 Required background knowledge

This document is for specialists. Specialists are people who are qualified by their appropriate training and their experience to see risks and to avoid possible hazards that may be caused during operation or maintenance of the device.

For programming, they should also have knowledge of control technology experience in PLC programming to IEC 61131-3.

The document gives information concerning the correct handling of the product.

2.2 Cyber security

ATTENTION

Operating the machine in an unprotected network environment

- ▷ Unauthorised read or write access to data is possible.
 - ▷ Unauthorised manipulation of the device function is possible.
 - ▶ Check and restrict access options to the device.
-

3 Introduction

As part of the technical development, the software tool **ifm Downloader** was replaced by **ifm MaintenanceTool**.

Recommendation: If the use of **ifm Downloader** is described in the programming manual of the device:

► Use **ifmMaintenanceTool** instead of **ifm Downloader**.

3.1 Functional safety



ifm MaintenanceTool is approved for handling CR7032 and CR7132 controllers in applications with functional safety.

4 Installation

4.1 Downloading MaintenanceTool

Download MaintenanceTool from the ifm website:

- ▶ Open www.ifm.com in a browser.
- ▶ Select your country.
- ▶ Under [Search], enter the article number of the device.
 - ▷ The product page of the required article appears.
- ▶ Download the [MaintenanceTool vx.x.x.x] package in the [MaintenanceTool] section of the [Downloads] tab.



You need to be registered to download the package.

4.2 Installing MaintenanceTool



Administrator rights are required for the installation on the PC.

To install MaintenanceTool on the PC:

- ✓ The installation files have been downloaded.
- ▶ Unpack the file `Maintenance Tool n_n_n_n.zip` into the target directory `Maintenance Tool n.n.n.n` on the hard disk.
- ▶ In the target directory `Maintenance Tool n.n.n.n`, execute the file `Setup.exe` and follow the installation instructions.



Recommendation:

- ▶ Accept the suggested settings during the installation process.
- ▶ Reboot the PC after successful installation.

5 Using MaintenanceTool

5.1 Starting MaintenanceTool

► Start menu > [ifm electronic] > activate [Maintenance].

OR:

► On the Windows desktop: Double-click on the MaintenanceTool program icon.

▷ MaintenanceTool is started.

5.2 Using the First steps wizard

MaintenanceTool has a [First steps wizard]. It supports the operator in creating a configuration. The following steps are carried out:

1. Selecting the device class
2. Selecting the communication interface
3. Information on further options

When MaintenanceTool is started for the first time, the [First steps wizard] is started automatically.

► Follow the instructions of the [First steps wizard].

► Select the device class.

► Select the communication interface.

► Optional: Press [Back] to display the previous step.

OR:

Optional: Press [Cancel] to cancel the [First steps wizard.]

▷ MaintenanceTool generates a configuration from the user input.

▷ The [First steps wizard] shows more information about setting options.

► Press [Close] to close the [First steps wizard].

5.3 Additional steps

► For explanations of the further steps, use the MaintenanceTool help.

► In MaintenanceTool: press [F1] to open the help.