



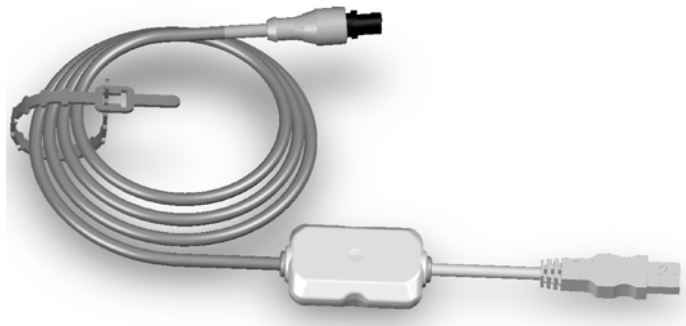
Operating instructions
IO-Link interface

E30396

UK

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1 Preliminary note

Technical data, approvals, accessories and further information at www.ifm.com

1.1 Symbols used

- ▶ Instruction
- > Reaction or result
- [...] Designation of keys, buttons or indications
- Cross-reference



Important note

Non-compliance may result in malfunction or interference.



Information

Supplementary note

UK

2 Safety instructions

- 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 (→ Functions and features).
- Only use the product for permissible media (→ Technical data).
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property can occur.
- The manufacturer assumes no liability or warranty for any consequences caused by tampering with the product or incorrect use by the operator.
- Installation, electrical connection, set-up, operation and maintenance of the product must be carried out by qualified personnel authorised by the machine operator.
- The device and the accessories (e.g. cable) must be effectively protected against damage.

3 Functions and features

The interface connects sensors with IO-Link capability to a PC and provides the following options via the IO-Link interface:

- Reading of the current parameter setting.
- Parameter setting of the sensor.
- Reading of the current measured values and further process values.

The interface is not suitable for permanent installation as an automation device.



The interface with connected sensor requires the complete current provided by a USB port.

- ▶ Therefore only operate it directly on a USB port or on an active USB hub.

If the interface is connected via a passive USB extension or a passive USB hub, it is deactivated.



The sensor must not be connected to an additional parallel power supply. This can destroy the USB port.



Due to properties of the Windows® operating systems correct functioning of several interfaces connected in parallel cannot be guaranteed.

3.1 Items supplied

- IO-Link interface
- Operating instructions

3.2 System requirements

- PC or laptop with Microsoft Windows® 7 SP1
- One free USB 2.0 port
- Software for parameter setting and set-up of IO-Link sensors,
LINERECORDER DEVICE:
 - QA0011 (USB stick) (→ 3.3)
 - QA0012 (download) (→ 3.3)

3.3 Software

The following software is suitable for use with this interface:

3.3.1 LINERECORDER DEVICE

The LINERECORDER DEVICE software is supplied with the following items:

- Framework software LINERECORDER DEVICE
- Current set of IODDs
- Driver for interface

4 Installation

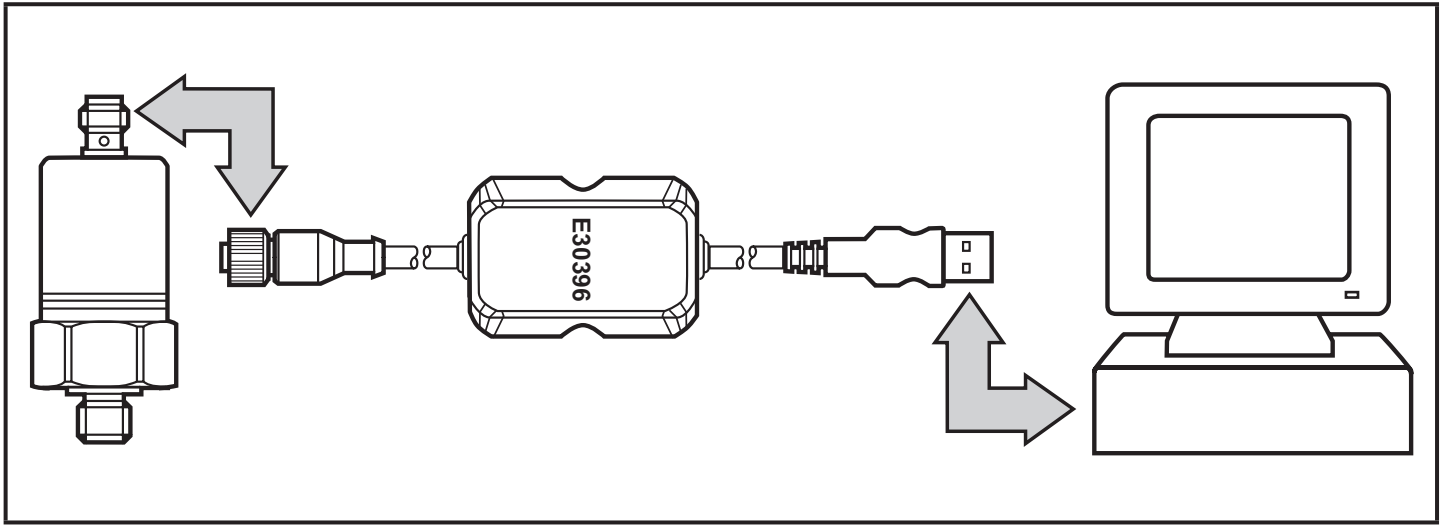
You must have administrator rights for installation.

- ▶ Connect the interface to the PC via a USB port.
- ▶ Connect the USB memory stick LINERECORDER DEVICE to the PC or use the download version LINERECORDER DEVICE.
- ▶ Execute the installation file "ifm Software.exe".
- > The Microsoft Windows® hardware wizard is started.
- ▶ Follow the instructions of the program.
Select the following options:
 - Find locally available drivers.
 - Select the driver from the connected USB stick or the download version.



Current drivers can be found on the manufacturer's website.

5 Set-up



- ▶ Connect the interface to the sensor and to a USB 2.0 port of the PC.
- > After the initialisation time of approx. 5 seconds the interface supplies the sensor with operating voltage.
- > If the sensor is addressed via the software for parameter setting and set-up of IO-Link sensors "LINERECORDER DEVICE" (→ 3.3), the interface determines the correct communication mode and starts the exchange of data.

If the sensor does not have a suitable communication protocol, no data is exchanged. But the sensor continues to be supplied with operating voltage. This enables operation for testing or demonstration purposes.

6 Technical data and scale drawing

Technical data and scale drawing at www.ifm.com.

More information at www.ifm.com