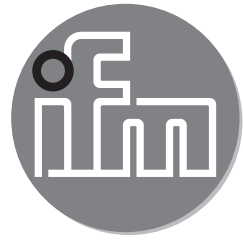


ifm electronic

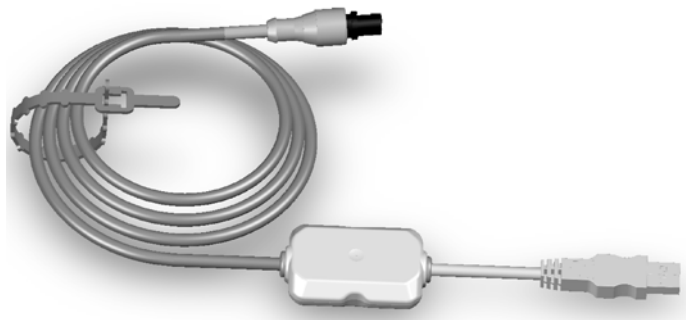


Operating instructions
IO-Link interface

UK

E30396

706334 / 00 01 / 2013



1 Items supplied

- IO-Link interface
- Operating instructions

2 System requirements



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

- PC or Laptop with Microsoft Windows® 2000 / Microsoft Windows® XP / Microsoft Windows® Vista / Microsoft Windows® 7.
- One free USB 2.0 port.
- Accessory software: FDT framework software "ifm Container", order no. E30110 to be downloaded from the manufacturer's website.
- Parameter setting and set-up software for IO-Link sensors: LINERECORDER SENSOR, order no. ZGS210.

3 Functions and features

The interface connects sensors with communication capability to a PC and provides the following options:

- Reading of the current parameter setting.
- Parameter setting of the sensor.
- Reading of the current measured value.

The interface supports IO-Link and the ifm-specific EPS protocol.

Requirements for communication with sensors:

- Option 1: Use of the ifm program library with available DTM objects which must be installed on the PC (is part of the ifm Container).
- Option 2: Use of the parameter setting and set-up software for IO-Link sensors (LINERECORDER SENSOR, order no. ZGS210) including the respective IO-Link Device Description (IODD).



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.

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4 Installation

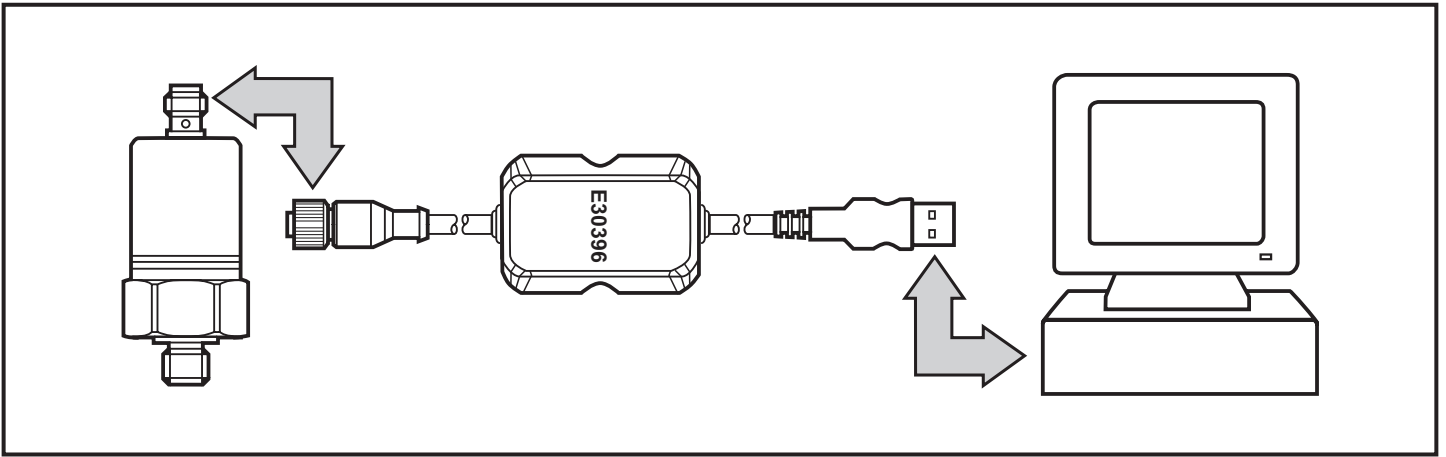
The PC addresses the interface internally via a virtual COM port to ensure compatibility with older software.

You must have administrator rights for installation.

Installation:

- ▶ Insert the CD-ROM into the drive (order no. E30110) or open and execute the installation file downloaded from the manufacturer's website, as an alternative connect a USB memory stick (order no. ZGS210).
- ▶ Connect the interface to a free USB port.
- > The Microsoft Windows® hardware wizard is started.
- ▶ Follow the instructions in the program. Make sure to select the following options:
 - Search for locally available drivers.
 - Selection of the driver from the inserted CD-ROM or the USB memory stick.
 - Automatic installation of the software.

5 Operation



- ▶ 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 FDT framework software "ifm Container" (order no. E30110) or the parameter setting and set-up software for IO-Link sensors "LINERECORDER SENSOR" (order no. ZGS210), 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.

