OPTITEMP Supplementary instructions

Accessories for OPTITEMP transmitters

Transmitter configuration kit

Software installation guide for ConSoft for Windows

KROHNE

1.1 General safety notes

⚠️ *CAUTION!*
The USB interface is a non-Ex-approved product but is intended to be used for all type of transmitters when in safe areas.

⚠️ *CAUTION!*
Do not connect the USB interface to your USB port until prompted!

1.2 General information

ICON configuration kit includes all necessary software and hardware for configuration of the temperature transmitters from a PC´s USB port.

Configuration starts from the main program ConSoft. ConSoft will identify the connected transmitter and open the necessary configuration software.

ICON configuration kit consists of:

• USB interface
• USB cable (connection between PC and USB interface)
• Adapter cables (connection between USB interface and transmitter)
• Software and drivers on a USB memory stick

⚠️ *CAUTION!*
Only one transmitter may be connected at a time.

The USB interface, used with the provided cables, is CE-marked and complies with the EMC directive 2004/108/EC and EN/IEC 61326-1:2006. For more information refer to the Declaration of Conformity.

For other cables than the provided and with cable length ≥ 3 m / 9.8 ft other requirements are valid and are not covered by this EMC directive.

ICON configuration kit is compatible with Windows XP (SP3), Windows Vista, Windows 7 and Windows 8.
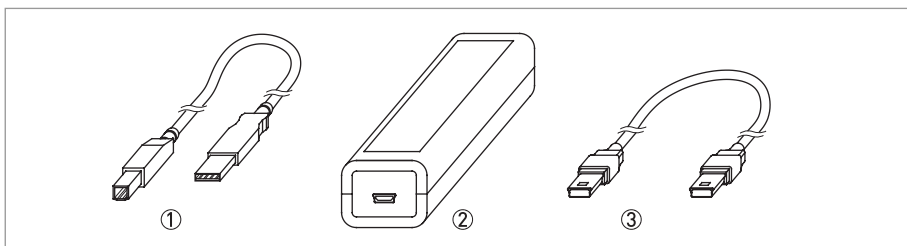
1.3 Scope of delivery

Figure 1-1: Scope of delivery

① USB communication cable (connection between PC and USB interface)
② USB interface
③ Mini USB to Mini USB adapter (USB interface to transmitter)

1.4 Technical data

Operating conditions

Process temperature	0...+50°C / +32...+122°F
Storage temperature	-20...+70°C / -4...+140°F
Humidity (non-condensing)	0...90% RH

Installation

Installation	For detailed information, refer to chapter "Installation".
Dimensions USB interface	Length: 144 mm / 4.49"; width: 36 mm / 1.42" ; heigh: 26 mm / 1.02"

Electrical connection

Power supply	PC's USB port; 5 VDC; 74 mA max.
Galvanic isolation	1500 VAC
USB compliance	USB v1.1, USB v2.0 and USB v3.0
Input (PC to USB interface)	USB cable
Output (USB interface to transmitter)	Changeable adapter cables

System requirements

Windows	Windows XP (SP3), Vista, 7 or 8
Display resolution	Minimum 800x600
Free hard disk space	50 MB
Ports	1 free USB port

1.5 Installation

1.5.1 Installation of USB interface drivers

Before you can use the USB interface you must install USB drivers on your PC. The necessary USB drivers for the USB interface can be found on the memory stick or downloaded from the website of the manufacturer.

For detailed information refer to section "Installion guide for ConSoft and USB-Interface drivers".

All software, USB drivers and installation guides can also be downloaded from the website.

1.5.2 Installation of configuration software ConSoft

All necessary software for configuration are included on the memory stick or can be downloaded from the website of the manufacturer.

For detailed information refer to section "Installion guide for ConSoft and USB-Interface drivers".

All software, USB drivers and installation guides can also be downloaded from the website.

1.6 Description of USB interface

The USB interface is powered from the PC´s USB port. There are three LED indicators on the USB interface: "USB", "PC" and "DEV". They are indicators to make the understanding of the communication between PC and transmitter easier. Their functions are described below:

- "USB" LED indicates data transfer. It lights during data transfer, otherwise it is off.
- "PC" LED indicates connection between configuration program and PC. It is green only during reading or writing to transmitter.
- "DEV" LED indicates the transmitter connection status. If it's green, the connected transmitter is detected by the USB interface. Flashing green indicates that the USB interface is waiting for a new transmitter from the same product family, e.g. changing to a new device. When it´s red no transmitter is detected by the USB interface and any sort of transmitter can be connected to the USB interface.

⚠ *CAUTION!*
The installation guide must be read prior to installation.

2.1 General safety notes

⚠ *CAUTION!*
The USB interface is a non-Ex-approved product but is intended to be used for all type of transmitters when in safe areas.
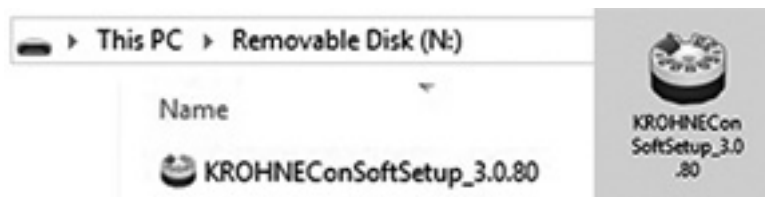
⚠ *CAUTION!*
Do not connect the USB interface to your USB port until prompted!

2.2 Installion guide for ConSoft and USB-Interface drivers

Step 1:

Locate the executable setup file "ConSoftSetup_X". Double click on the file to start the installation process.

Step 2:

Read the license terms and tick the box "I agree to the license terms and conditions".

Click on "Install" to start the installation.

Step 3:

Installation of drivers for the USB-Interface will start, click on "Next".

Step 4:

Read the license agreement, Tick the "I accept" box, click on "Next".

Step 5:

The drivers for the USB-Interface has been installed. Click on "Finish" to continue with the installation of ConSoft 3.

Step 6:

ConSoft is now installed and ready for use, click on "Close".

2.3 Troubleshooting

Error message	Action
The Installation process does **not** start and displays a menu of actions to perform when inserting the USB memory stick to a USB port.	Open "My Computer". A removable disk with an setup icon next to it should appear there. Open the removable disk and run the file "KROHNEConSoftSetup_3.0.80.exe". The installation process will start.
Error message "USB Interface is not installed. The program will not work." displayed when starting ConSoft.	Install drivers for the USB interface.
Error message "USB Interface:s hardware and/or software should be updated." appears in ConSoft.	Contact us for update of your USB interface.
Error message "Unable to install because a newer version of this product is already installed." is displayed during installation of ConSoft.	A newer version of ConSoft is already installed on the computer. If you still want to install the older version, uninstall ConSoft through "Control Panel – Add or Remove Programs".
Depending on Windows security settings you may get the message "This program might not have installed correctly" when exit from the Setup Menu in Windows Vista or Windows 7.	You can safely ignore this and close the window by choosing the option "This program installed correctly".

KROHNE product overview

- Electromagnetic flowmeters
- Variable area flowmeters
- Ultrasonic flowmeters
- Mass flowmeters
- Vortex flowmeters
- Flow controllers
- Level meters
- Temperature assemblies
- Pressure transmitters
- Analysis products
- Products and systems for the oil & gas industry
- Measuring systems for the marine industry

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