

Interface RS232-SCR(IEC)

Interface GWFcoder®

Your benefits

- Interface converter between GWFcoder® meters and RS232 communication devices:
  Easy integration into remote meter reading systems
- Transparent mode of operation:
  Unchanged transfer of read-out data to the communication device
- Clearly marked connection terminals:
  Easy on-site installation

Applications

- The interface is used for the addressed readout of water and gas meters with GWFcoder® registers via an RS232 connection

Properties

- Compatible with RS232 standard interface
- Addressed readout in accordance with IEC 62056-21 mode A
- Data transfer up to max. 150 m between GWFcoder® meter and interface
- Polarity independent connection of GWFcoder® meter to the interface
- DIN rail mounting
- The interface can be used to connect the GWFcoder® meter with SCR(IEC) interface to a communication device with an RS232 interface. The interface serves as a converter between the meter and communication device.
- The interface is mounted near to the communication device. In combination with remote meter readout, it is possible to read out the register readings directly from a control centre via a modem. The remote meter readout software must support the GWFcoder® data set.

GWF AG
Obergrundstrasse 119
6005 Lucerne, Switzerland

T +41 41 319 50 50
info@gwf.ch, www.gwf.ch

Technical support:
T +41 41 319 52 00, support@gwf.ch

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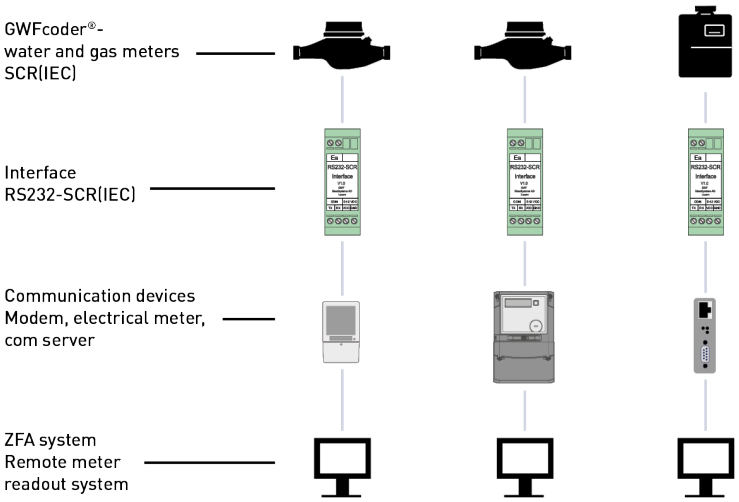
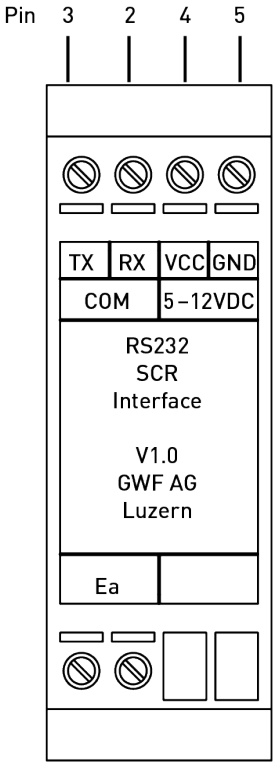
Components



Connection and signal transfer		
RS232	**Interface**	
2	RX	RS232 – receive path
3	TX	RS232 – transmit path
4	VCC	5 – 12 V DC / 10 mA Communication devices with DTR signal power › 5 V DC can be connected directly to VCC.
5	GND	Ground
	Ea	GWFcoder® register (polarity independent)



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Technical Data

Data transfer	
GWFcoder® meter version 5.x	300 baud 7E1 mode A
GWFcoder® meter version 4.x	300 baud 7E2 mode A

The interface functions transparently and does not save data – readout data is transferred to the communication device without being modified.

Installation
The interface should be installed directly at the communication device.

Max. cable length	
SCR connection cable	150 m
RS232 connection cable	2 m

Type of cable	
SCR connection cable	U72 (1 x 4 x 0,8)

Dimensions and weight	
Dimensions	25 x 78 x 47 mm
Weight	app. 50 g

Application area	
Temperature	-10 to + 60 °C
Protection class	IP40

Interfaces
RS232 standard, EIA-compatible
Inductive in accordance with SCR / Protocol IEC 62056-21

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