CL-SCR

Interface GWFcoder®

Your benefits

- Interface converter between GWFcoder® meters and CL/CS 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 GWF-coder® registers via a CL interface. Using the interface, it is possible to read out several meters connected in series via a modem.

Properties

- Compatible with CL standard interface IEC 62056-21
- Two versions available: 1 or 2 channels
- Depending on the type of modem, up to four meters can be connected to the bus and read out
- 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 a CL interface. The communication device functions as the master (CL1) and reads out the connected meters (CL0) via the CL interface. 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. The remote meter readout software must support the GWFcoder® data set.

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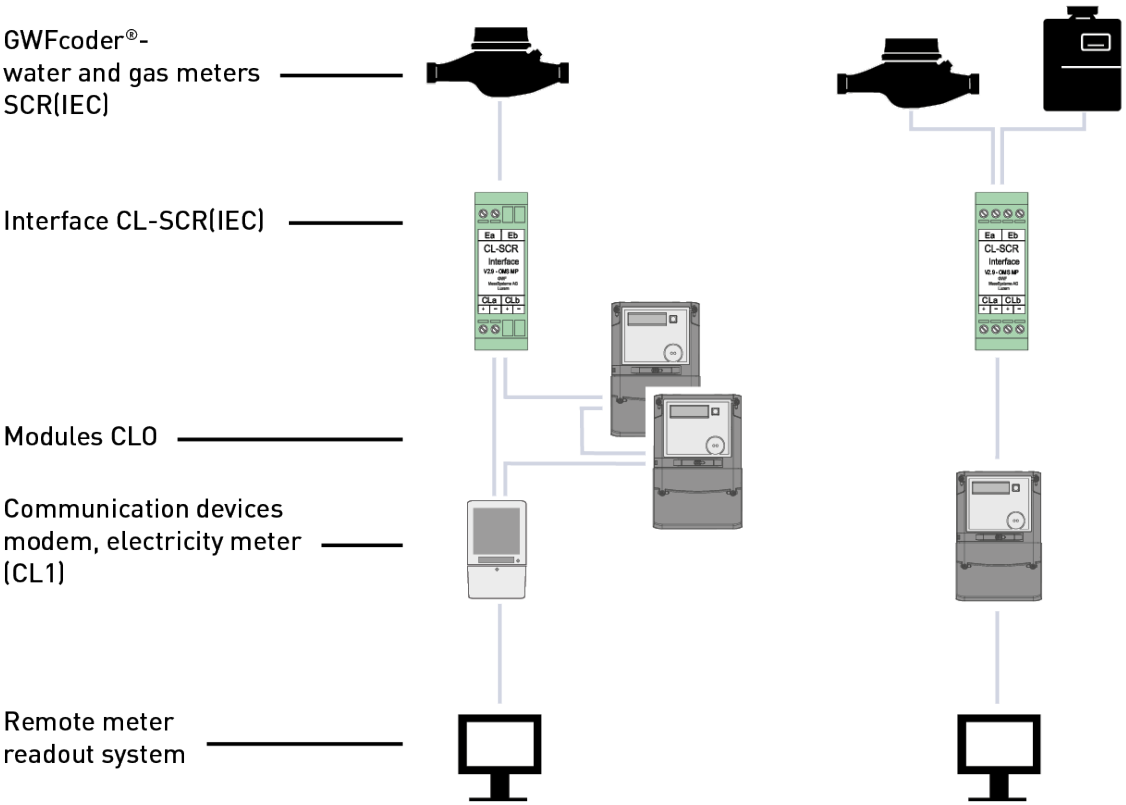
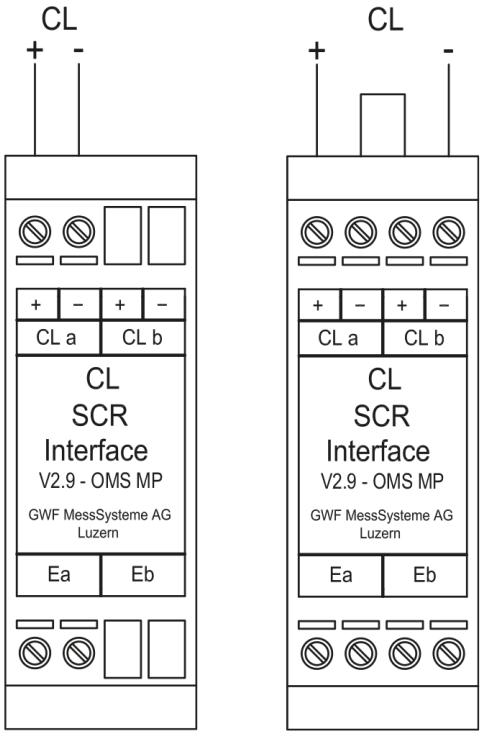
Components



Meter connection scheme

Meter type		Connecting wires
MTKcoder® IP67	Without approval, Conformity according European Measuring Instruments Directive (MID)	white, brown
MTKcoder® IP68	Without approval, Conformity according European Measuring Instruments Directive (MID)	black, red (green cut off)
MTKcoder® MP IP67	Conformity according European Measuring Instruments Directive (MID)	white, brown
MTKcoder® MP IP68	Conformity according European Measuring Instruments Directive (MID)	black, red (green cut off)
WPDKcoder WSDKcoder Meitwin with GWFcoder® WPVD with GWFcoder®	Without approval	black, red (brown cut off)
Meistream mit GWFcoder® Meistream Plus mit GWFcoder® Meitwin with GWFcoder® WPV-MS with GWFcoder®	Conformity according European Measuring Instruments Directive (MID)	white, brown
Meistream with GWFcoder® MP Meistream Plus with GWFcoder® MP Meitwin with GWFcoder® MP WPV-MS with GWFcoder® MP	Conformity according European Measuring Instruments Directive (MID)	black, red (green cut off)

Connection and signal transfer	
+/-	20 mA current loop according to IEC 62056-21 Power supply from the active device (Master CL1). After «Power ON», the interface requires app. 60 seconds before it is ready for operation. Voltage drop per GWFcoder® meter ‹ 5 V DC
Ea	GWFcoder® register (polarity independent – channel 1)
Eb	GWFcoder® register (polarity independent – channel 2)



Technical Data

Versions	
One-channel – connection for one GWFcoder® meter	Two-channel – connection for two GWFcoder® meters

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

Type of cable	
SCR connection cable	U72 (1x4x0,8

Dimensions and weight	
Dimensions	25x78x47 mm
Weight	ca. 50 g

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

Interfaces

CL standard according to IEC 62056-21

Inductive according to SCR / Protocol IEC 62056-21

Type of mounting

DIN rail mounting