

Field verifier for electromagnetic flow meters

Model FLC-EM

WIKA data sheet FL 20.12

Applications

- Functional check in the field
- Diagnosis and condition monitoring of electromagnetic flow meters

Special features

- Simple, automated verification
- Autonomous, supply via battery
- Functional testing of the measuring instrument without interrupting the flow
- No additional costs for installation and removal



Field verifier, model FLC-EM

Description

Functions

The model FLC-EM is a portable field verifier for checking electromagnetic flow meters. The measured values of the signal converter are captured and transmitted via an RS485 interface. The excitation current is measured and the settings of the signal converter can be stored as a reference for later tests or adjustments. The field verifier checks the functionality of the sensor, calibrates the 4 ... 20 mA output and tests the input and output by means of a special motherboard.

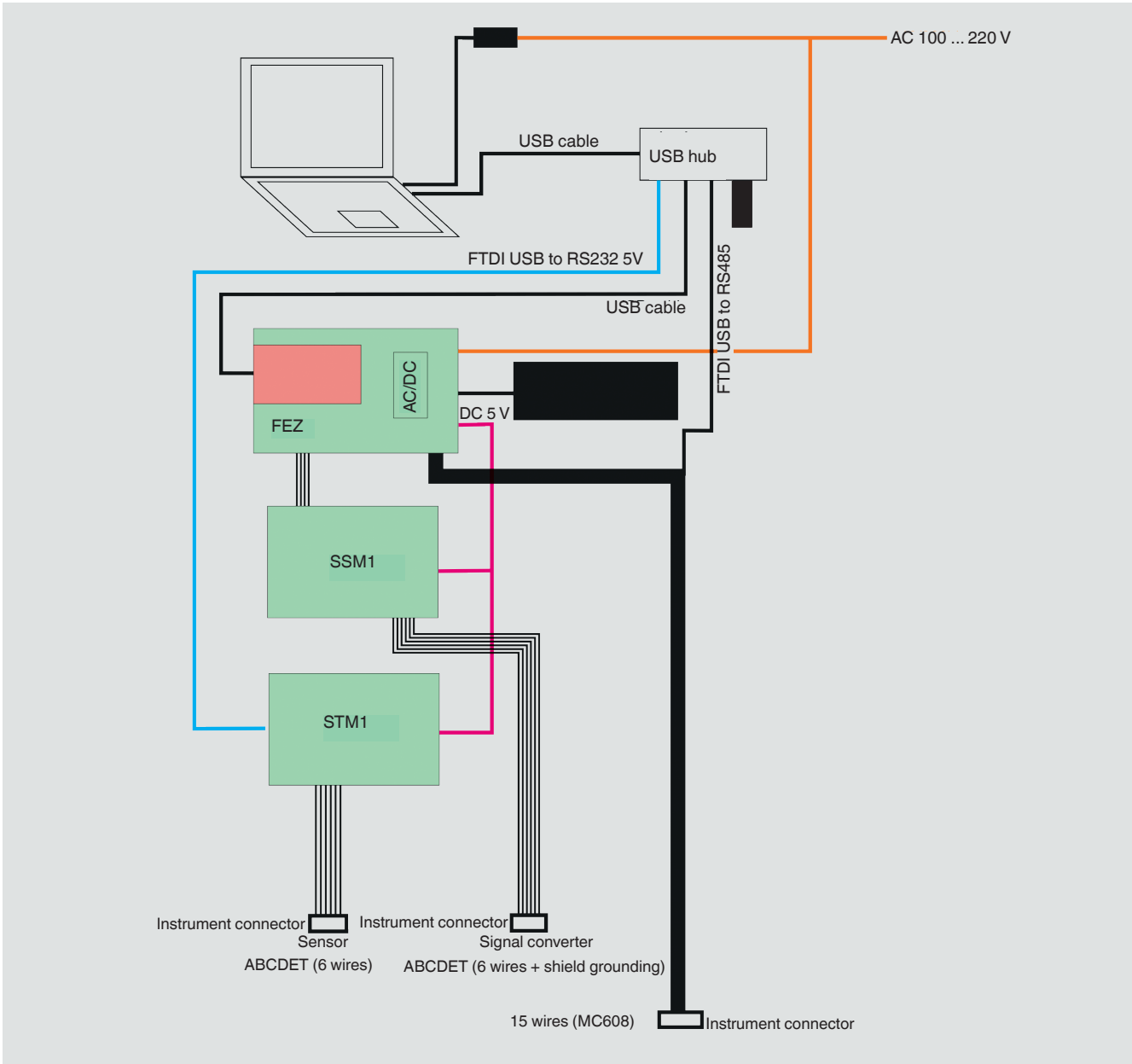
Operation in the field

The model FLC-EM is housed in a shatterproof, waterproof and shock-resistant service case. The field verifier is powered with high voltage AC 110 ... 240 V and a nickel-metal hydride (Ni-MH) rechargeable battery in a separate circuit. Through verifying the performance of the measuring instrument, downtimes can be reduced and the high measurement accuracy can be guaranteed.

Components

The instrumentation of the field verifier is protected by a plastic service case. The connections for current and wiring are located on an aluminium plate within the service case. Connections for an electronic motherboard and a notebook, the battery, the USB hub, as well as the necessary cables are also built-in.

Connection diagram



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