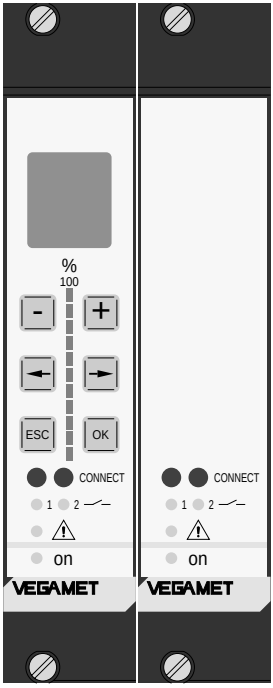
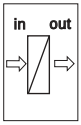
Operating Instructions

VEGAMET 514 S2





Safety information

Please read this manual carefully, and also take note of country-specific installation standards (e.g. the VDE regulations in Germany) as well as all prevailing safety regulations and accident prevention rules.

For safety and warranty reasons, any internal work on the instruments, apart from that involved in normal installation and electrical connection, must be carried out only by qualified VEGA personnel.

Note Ex area

Please note the attached safety instructions containing important information on installation and operation in Ex areas.

These safety instructions are part of the operating instructions and come with the Ex approved instruments.

Technical data

Measured data input

Quantity	1 input
Input type	passive two-wire input, analogue (sensor delivery a flow-dependent current to the signal conditioning instrument)
Range	4 … 20 mA
Possible sensors	active sensors (current sources)
Detection line interruption	< 3.6 mA
Detection line short-circuit	> 21 mA
Min. adjustment delta	2 % of the entered sensor values
Connection cable	2-wire standard cable (screening is recommended)
max. resistance per wire	35 Ohm
Resolution	1 µA
Linearity error	0.025 % at 4 … 20 mA
Temperature error	0.04 %/10K at 4 … 20mA

For further technical data see VEGAMET 514.

Electrical connection

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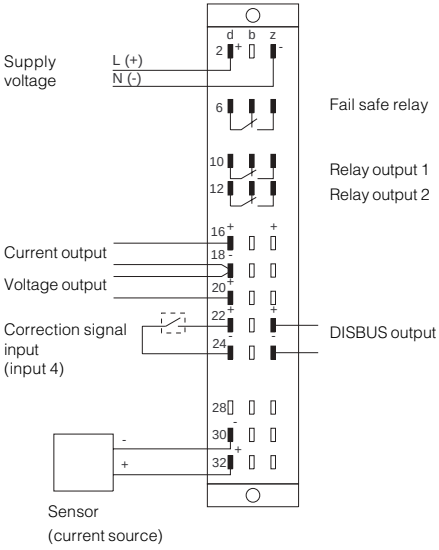

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All statements concerning scope of delivery, application, practical use and operating conditions of the sensors and processing systems correspond to the latest information at the time of printing.

Technical data to subject to alterations