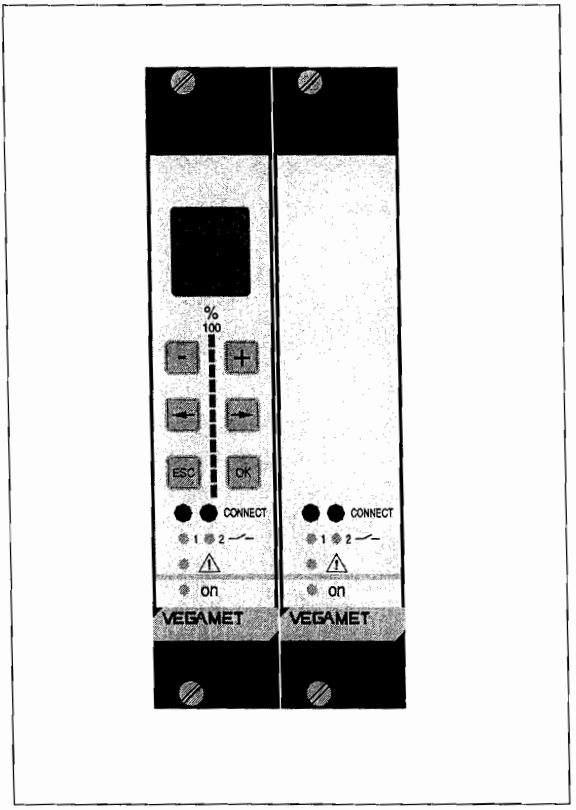
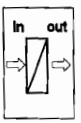
Level and Pressure

# Operating Instructions

## VEGAMET 514 S4 for connection to safety barrier 145



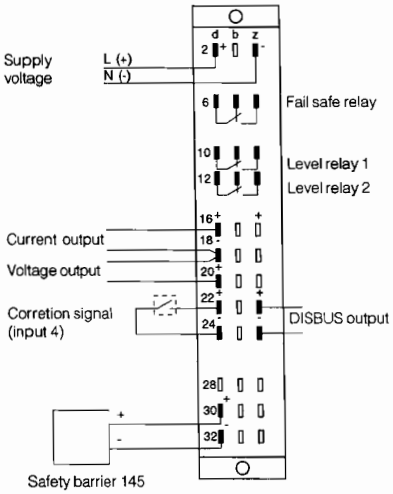
## Technical data

### Measured data input

| | |
|---|---|
| Number | 1 input |
| Input type | active two-wire input, analogue (sensor is powered by VEGAMET) |
| Range | 4 ... 20 mA |
| Possible sensors (loop powered) | capacitive electrodes, pressure transmitters, process pressure transmitters, differential pressure transmitters |
| Voltage | |
| - at 4 mA | approx. 26 V DC |
| - at 20 mA | approx. 22 V DC |
| Current limitation | at approx. 26 mA, short circuit proof |
| Detection line break | < 3,6 mA |
| Detection short circuit | > 21 mA |
| Min. adjustment difference | 2 % of the entered sensor values |
| Connection cable | 2-wire standard cable (screening recommended) |
| Max. resistance per wire | 35 Ohm |
| Resolution | 1µA |
| Linearity error | 0,025 % at 4 ... 20 mA |
| Temperature error | 0,04 %/10K at 4 ... 20mA |

## Wiring plan

### VEGAMET 514 S4

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