

A PROBE FOR UP TO 5 LIMIT LEVELS

Two, three or five electrodes in rod or cable version are arranged above the medium.

As soon as a conductive fluid makes a connection between the electrodes, a switch signal is triggered.

Usable as compact version with integrated electronics or with separate electrode relay.

Features

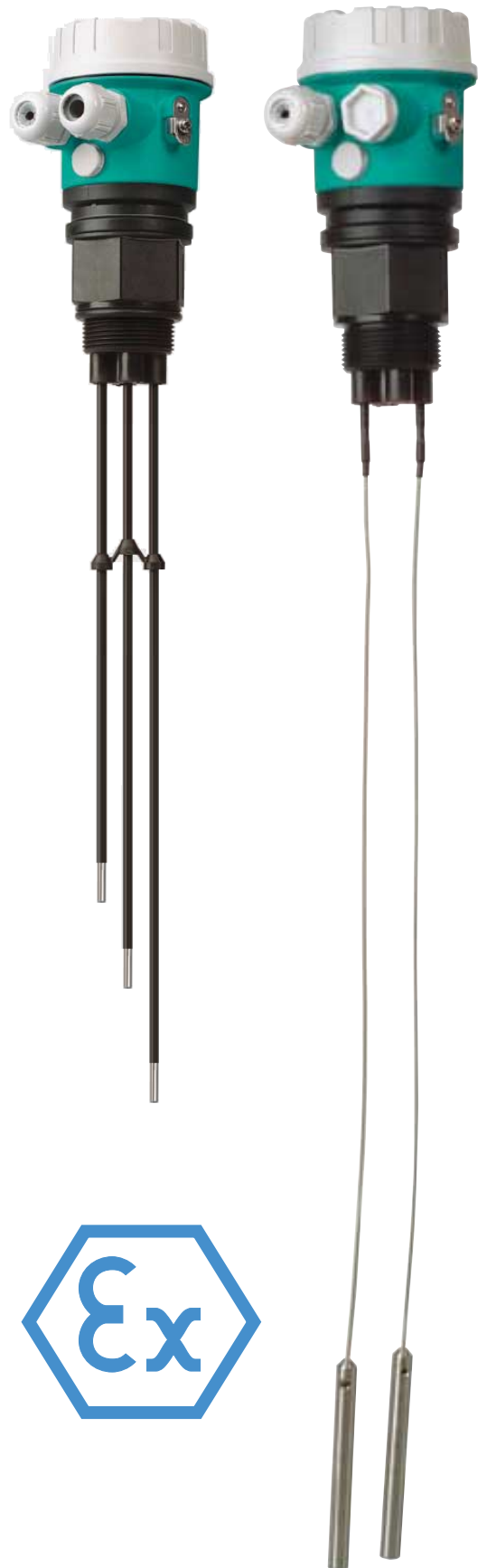
- Optional rod or cable probe for optimal adaptation to the application
- Rod version up to 4 m or cable version up to 15 m
- 2 to 5 switching points can be implemented with one probe, suitable for simple 2-point control
- Simple, robust construction with plastic housing (probe material stainless steel)
- No calibration necessary
- Approvals: ATEX, WHG approval, leakage approval
- Two-point regulation and additional maximum and minimum detection
- No moving parts in tank
- Long service life and reliable functionality without wear or blocking

Various electronic modules

- PNP output 10.8 V DC ... 45 V DC
- Relay output 20 V AC ... 253 V AC
- NAMUR electronics
- Compact electronics or connection to a separate evaluation device

Accessories

- LKL-Z10 fastening nuts G 1 1/2", hexagonal, SW 60
- LZ-1204 mounting bracket G 1 1/2"



TYPE CODE

Version

- 1 Rod version, 100 mm ... 4000 mm
- 2 Cable version, 250 mm ... 15000 mm

Process connection

- G5 Threaded piece G 1 1/2, PPS
- N5 Threaded piece 1 1/2" NPT, PPS

Number, material rods

- 2 2 rods, 316L or cable 1.4571
- 3 3 rods, 316L or cable 1.4571
- 5 5 rods, 316L or cable 1.4571

Probe/cable length

- A mm, probe length Rod: 100 mm ... 4000 mm Cable: up to 15 m
- B inch, probe length
- C 1000 mm rod probe length
- D 2000 mm rod probe length

Housing

- P1 Plastic housing IP66, M20x1.5
- Pw Plastic housing IP66, NPT 1/2"
- P3 Plastic housing IP66, G 1/2"

Electrical output

- NA Separate instrumentation
- XX Electronics installable at a later date
- E5 FEW52 output PNP 10.8 V DC ... 45 V DC
- WA FEW54 relay output 20 V AC ... 253 V AC
- N1 FEW58 Namur

Optional equipment

- N without optional equipment
- Y Special variants

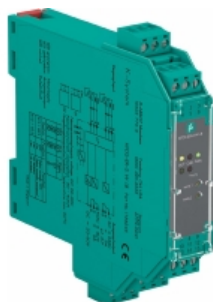
Certificates

- NA Variants for safe areas
- WH Overfill protection WHG, with leakage approval
- EB *ATEX II 2G EEx ia IIC T5 ... T6, WHG
- EC *ATEX II 3G EEx nA/C(L) IIC T6, WHG

LKL-P 1 - G5 2 A - P1 WA N - NA

Lengths specified
only for probe lengths in mm or inches

ATEX RELAY MODULE



The electrode relay uses the conductivity of fluids for fill level control. The integrated voltage and temperature stabilized switch resistor can detect the small alternating current (no direct-current voltage) which flows between the material and the electrode even with weakly conducting fluids.