



Conductive Level Switch Compact Probe



measuring
•
monitoring
•
analysing



- p_{max} : 6 bar
 t_{max} : 150 °C
- Electrode, any length
- Process connection:
G 1/2
hygienic mounting (EHEDG, 3-A)
with installation system
type LZE
- Food compatible materials
- Optional:
Head mounted transmitter
- Optional: HALAR coating



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Model:
LNK-NK



Description

The conductive KOBOLD level probes LNK-NK are used for level measurement. The electrical resistance between metallic vessel and level electrode is measured and evaluated. The probes with the associated weld-in sleeves type LZE or LZE-NR form a hygienic measuring point that is cavity free (confirmed by the EHEDG and 3A report). These level probes are thus ideally suited for CIP/SIP cleaning.

The KOBOLD probes LNK-NK are also available with integrated evaluating electronics. The output signal (24 V_{DC}) can thus be connected to a PLC for evaluation. This means lower installation costs, minimum wiring requirements and a high degree of noise immunity.

The level probes are connected electronically through an M12 plug connection. Different stem lengths are available. The stem may also be HALAR coated, so that foaming media can be detected.

Technical details

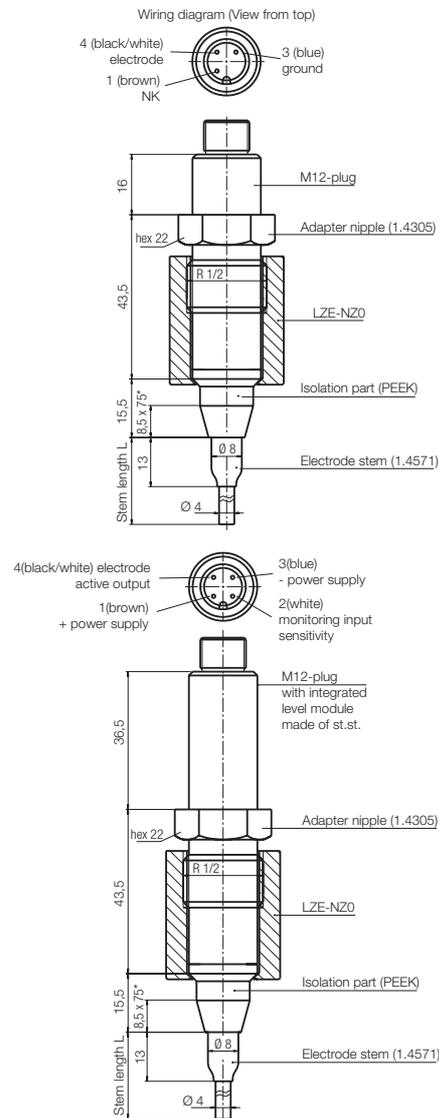
- Method of measurement: conductive
- Process temperature: 0-150 °C
- Operating pressure: max. 6 bar
- Materials
 - head, thread gland: stainless steel 1.4305 (V2A)
 - insulating section: PEEK
 - electrode stem: stainless steel 1.4571 (V4A)
Ø 4 mm
 - stem coating: HALAR (E-CTFE),
coating 0.3 mm
- Electrode lengths: 4, 200, 500, 800, 1000 mm
- Process connection: G 1/2,
Hygienic weld-in sleeves
LZE or LZE-NR (pp. 119-128)
- Connection: M12-plug connector 3-pin
(4-pin for optional transducer
for top mounting)
- Minimum conductivity: 10 µS
- Level module (optional)**
 - Input: 18-36 V_{DC} / < 0.5 mA
 - Sensitivity (adjustable): 3 steps 0.2 / 2.0 / 20 kΩ
 - Function: full / empty signal (switchable
by polarity of auxiliary voltage)
 - Output: active output, 50 mA,
short-circuit-proof

- Power supply: 18 - 36 V_{DC},
< 10 mA without output
- Protection type: IP 67
- Noise immunity: according to EN 50082-2
(industrial)
- Weight: > 0.5 kg

Areas of application

- Level monitoring in all conductive media

Dimensions



Order Details (Example: LNK-NK 04 B LNZ 3)

Model	Description	Stem length	Coating	Transmitter for head mounting	Electrical connection
LNK-NK	Conductive level probe, compact version	04 = stub, 4 mm 20 = stem, 200 mm 50 = stem, 500 mm 85 = stem, 850 mm 10 = stem, 1000 mm	B = smooth stem H = HALAR coating (not for 4 mm)	LNZ = with head mounted transmitter 000 = without head mounted transmitter	3 = M12 plug connector 3 pin (for option 000) 4 = M12 plug connector 4 pin (for option ...LNZ)