

Product Information

Sensors and Instrumentation

Level Sensor LK10



- Measuring ranges from 0,16..16 bar
- Output 4..20 mA, 2-wire
- Process temperature 0..50 °C
- Protection class IP68, aggressive liquids

Characteristics

Types LK10 have been designed as cost-effective level transmitters for continuous level measurement especially in contaminated and aggressive liquids. Because of the flush ceramic diaphragm both transmitters are well suited for applications in water supply and sewage treatment. They are suited also for level measurement in aggressive media where stainless steel transmitters have their limits. When dirt or sediments set on the transmitter the ceramic diaphragm makes cleaning easier.

Cables made of different materials can be chosen to adapt the LK10 to the specific operating conditions.

PUR cable: diesel oil, fuel oil, rape oil, carbonic acid

FEP cable: chem. aggressive liquids, acid, caustic solution, heavy loaded waste water, sewage technology (ferric-III-chloride)

Environmental technology:
 sewage treatment, water supply, aggressive media.

Technical data

Power supply

Supply voltage : 12..36 V DC (U+)
 Medium temperature : 0..50 °C
 CE-conformity : EN 61000-4-5 , EN 50082-2, EN 61326
 Measuring range : 0..0.16 bar bis 0..16 bar relative

Output

Current : 4..20 mA, 2-wire
 Max. burden R_A : $\leq ((U+ - 12V)/0.02A - (0.14\Omega \times \text{Cable length [m]}))$
 short circuit protection

Accuracy : 0.35 %

Material

Process material : PVC; seal FKM, EPDM
 Flush diaphragm : ceramic with parylen

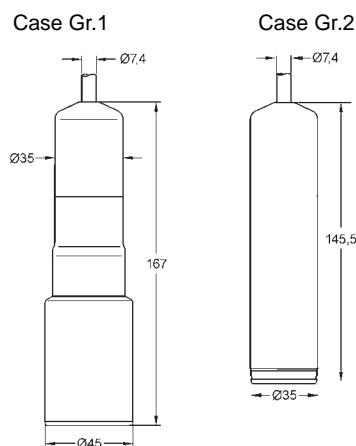
Electrical conn. : PUR cable or FEP cable, vented

Protection class : IP68, sea water resistant

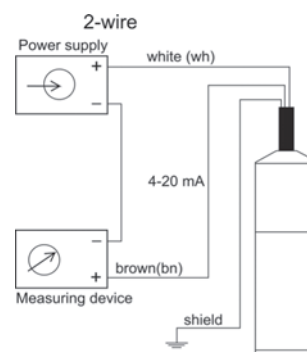
Weight : appr. 0.2 kg

Dimension

Measuring ranges



Connection diagram



Ordering code

LK10 - 1. - 2. - 3. - 4.

1. Output	
2	4..20 mA
2. Measuring range [bar] please insert	
0.16/ 0.25/ 0.4/ 0.6	Case Gr. 1
1/ 1.6/ 2.5/ 4/ 6/ 10/ 16	Case Gr. 2
3. Cable type	
1	PUR (standard)
2	FEP
4. Cable length [m] please insert	
Accessories	
ASK	anchor clamp steel zinc plated
ASK-E	anchor clamp stainless steel 1.4571

