

**Product Information**

**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

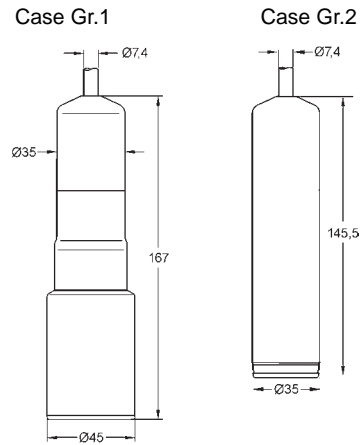
Accuracy : 0.35 %

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

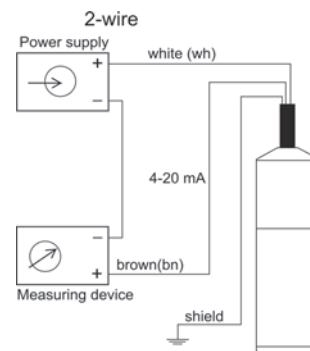
**Electrical conn.** : PUR cable or FEP cable, vented  
 Protection class : IP68, sea water resistant  
 Weight : appr. 0.2 kg

**Dimension**

Measuring ranges



**Connection diagram**



**Ordering code**

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

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



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