

Level Sensor LS10



- Measuring range from 100 mbar..10 bar relative
- Output 4..20 mA
- Process temperature -10..+60 °C
- Protection class IP68, depth of immersion max. 100 m

Characteristics

The LS10 liquid level transmitter is designed for economical and reliable performance in a wide variety of level measurement applications. The LS10 provides a signal output of 4-20mA and an accuracy of 0.25% of span. Standard stocked pressure ranges are assembled with any length cable for fast delivery.

Compensation for atmospheric pressure changes is accomplished through a vent tube in the cable. Applicable with drinking-, used-water, diesel-,heating- or rape-oil and carbon dioxide.

Technical data

Power supply

Supply voltage : 10..30 V DC (U+)
 Medium temp. : -10..+50 °C (compensated range 0..50 °C)
 Ambient temp. : -20..+80 °C
 CE-conformity : EN61326-1:2013, EN61326-2-3:2013

Output

Current : 4..20 mA, 2-wire
 Max. burden R_A : $\leq (U+ - 10 V) \div 0,02 A - (0.14 \Omega \times \text{cable length}[m])$

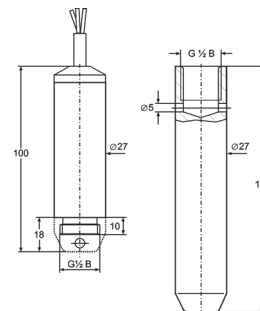
Accuracy : 0.5 % optional 0.25 %

Material

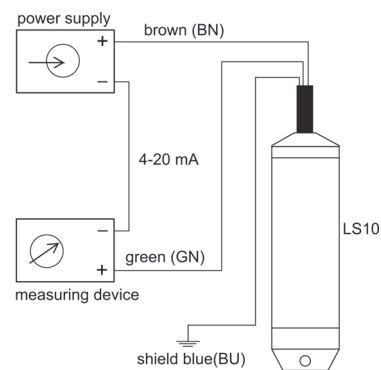
Process conn. : stainless steel [Hastelloy®]
 Case : stainless steel [Hastelloy®]
 Membrane : stainless steel [Hastelloy®]
 Protection cap : PA
 Electrical connection : PUR cable vented
 Protection class : IP68 (immersion depth max. 100 m)
 Weight : approximately 0.2 kg

Dimensions

LS10 Additional weight G10



Connection diagram

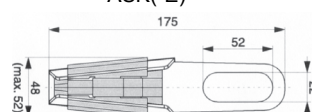


Ordering code

LS10 - - -

1. Output	2	4..20 mA
2. Measuring range	0.1/ 0.16/ 0.25/ 0.4/ 0.6/ 1/ 1.6/ 2.5/ 4/ 6/ 10 bar	
3. Cable length	1,5	1,5 m
	3	3 m
	5	5 m
	10	10 m
	15	15 m
	20	20 m
	Cable can be shortened, other length on request	
Accessories		
G10	additional weight 0.5 kg	
ASK	anchor clamp steel zinc plate	
ASK-E	anchor clamp stainless steel 1.4571	
ASV-E	anchor gland stainless steel 1.4301	

ASK(-E)



ASV-E

