

## Product Information

# 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.

## 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 : EN 50081-1:03-2009, EN 50081-2:03-94,  
 EN 50082-2:03-95

### Output

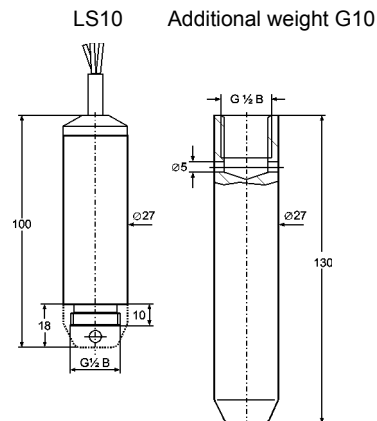
Current : 4..20 mA, 2-wire  
 Max. burden  $R_A$  :  $\leq (U+ - 10 \text{ V}) \div 0,02 \text{ A} - (0,14 \Omega \times \text{cable length[m]})$

Accuracy : 0.5 % optional 0.25 %

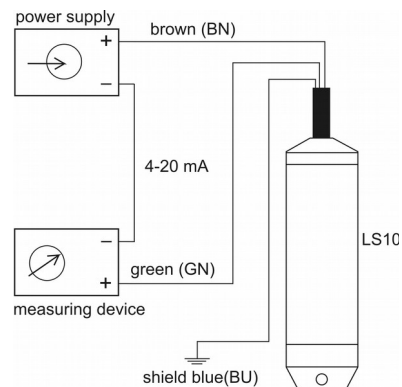
### Material

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



## Connection diagram



## Ordering code

LS10 - 1. - 2. - 3.

|       |                                                  |
|-------|--------------------------------------------------|
| 1.    | Output                                           |
| 2     | 4..20 mA                                         |
| 2.    | Measuring range [bar]                            |
|       | 0.1/ 0.16/ 0.25/ 0.4/ 0.6/ 1/ 1.6/ 2.5/ 4/ 6/ 10 |
| 3.    | Cable length [m]                                 |
|       | Please insert                                    |
|       | 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              |

