

LCSP series Hydrostatic level sensor



Technical Information

Supply voltage	10...30 VDC
Consumption	Max 28mA
Input type	hydrostatic pressure
Sensor element	piezoresistive
Signal type	4...20 mA, 2-wire
Line resistance	max. 700 Ω at 24 VDC
Response time	≤ 1 ms
Repeatability	≤ 0.05% from span
Operating temperature	-10...50 °C
Storage temperature	-30...80 °C
Temperature compensation	0...50 °C
Temperature drift	0.02...0.04 %/K
Casing material	stainless steel 1.4571
Protective cap	PA plastic
Wiring	PUR or Teflon® cable
Weight	200 g plus 80 g/m cable
Protection class	IP68

- EEx ia IIC T4-T6 approved according to ATEX
- IP68 protection
- Up to 300 m measurement range
- PUR sheathed cable with inner ventilation
- 1000 N cable tensile strength

Dimensional Information

Variant	130	131
<i>Specifications</i>		
<i>Input range [bar]</i>	0...0.1, 0...0.16, 0...0.25, 0...0.4, 0...0.6, 0...1, 0...1.6, 0...2.5, 0...4, 0...6, 0...10, 0...16, 0...25	0...0.25, 0...0.4, 0...0.6, 0...1, 0...1.6, 0...2.5, 0...4, 0...6, 0...10, 0...16, 0...25
<i>Depth</i>	up to 100 m	up to 300 m
<i>Accuracy</i>	0.5% from span	0.25% from span

Options & Ordering Information

Feature or option	Order Code LCSP -
Variant	130, 131
Input range *	RANGE - (see table above)
Contact function (no float)	A - NO, B - NC, C - NO/NC
Cable length (metres) and type	1...300PU - polyurethane, 1...300TF - Teflon®
Preparation for Zone 0	X - none, Z0 - installed

* As per variant chosen

Ordering Example

LCSP-131.0...4.B.150PU.Z0