

LFH

Pressure transmitter in stainless steel housing for continuous hydrostatic level measurement





Technical data overview

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Medium	Fluids
Pressure type	Gauge pressure
Pressure unit	bar / mH20 (depends on variant)
Accuracy	\leq ± 0.5 % / \leq ± 0.25 % (depends on variant)
Process connection	Without process connection
Connection type	PUR flying leads, 30 m PUR flying leads, 40 m PUR flying leads, 5 m PUR flying leads, 15 m PUR flying leads, 100 m PUR flying leads, 50 m PUR flying leads, 80 m PUR flying leads, 20 m PUR flying leads, 25 m PUR flying leads, 25 m PUR flying leads, 1.5 m PUR flying leads, 1.5 m PUR flying leads, 100 m FEP flying leads, 50 m PUR flying leads, 50 m FEP flying leads, 50 m PUR flying leads, 40 m FEP flying leads, 3 m FEP flying leads, 25 m FEP flying leads, 30 m FEP flying leads, 30 m FEP flying leads, 30 m FEP flying leads, 50 m
Enclosure rating	IP68
Process temperature	-10 °C +85 °C (depends on variant)
Communication interface	-
Output signal	4 mA 20 mA, 2-wire 0 V 10 V, 3-wire (depends on variant)
Supply voltage	10 V DC 30 V DC (depends on variant)
Additional function	Overvoltage protection Temperature measurement (depends on variant)

Product description

The LFH level probe is a rugged pressure transmitter for continuous level measurement. The liquid column above the probe creates a hydrostatic pressure which is a direct indicator for the liquid level. Through its permanently connecting cable, the LFH is submerged into the liquid. The precise measurement technology is integrated in a rugged stainless steel housing. To meet diverse requirements, the LFH level probe is available in two variants, standard and enhanced. For the enhanced variant there are a number of options available that extend the range of applications significantly. They include a maximum cable length of 250 m (standard design: 100 m), integrated temperature measurement, surge protection, and a connecting cable with highly resistant FEP sheathing (up to 100 m).

At a glance

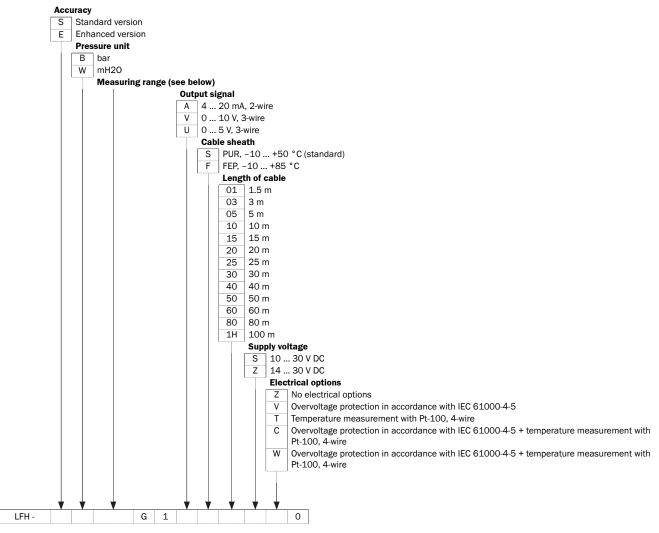
- Immersion depth up to 100 m
- · Available with various cable lengths
- Measuring ranges from 0.1 bar ... 1 bar up to 0 bar ... 25 bar
- Stainless steel membrane
- Hermetically sealed stainless-steel housing with PA protective cap
- · Cable made from PUR, FEP cable is available as an option for aggressive media
- Optional temperature measurement with integrated Pt100 element
- · Optional surge protection

Your benefits

- Enables level measurement under difficult conditions where other measurement technologies fail
- Rugged and reliable through robust mechanical design and high-grade materials
- For cleaning purposes the probe can easily be taken out of the liquid
- No drillings required in the wall of the vessel

Type code

Other models and accessories → www.sick.com/LFH



Not all variants of the type code can be combined!

Measuring range

Bar / gauge pressure		
X10	0 0.1 bar	
X16	0 0.16 bar	
X25	0 0.25 bar	
X40	0 0.4 bar	
X60	0 0.6 bar	
1X0	0 1 bar	
1X6	0 1.6 bar	
2X5	0 2.5 bar	

MH ₂ 0 / gauge pressure	
1X0	0 1 mH ₂ O
1X6	0 1.6 mH ₂ O
2X5	0 2.5 mH ₂ 0
4X0	0 4 mH ₂ O
6X0	0 6 mH ₂ O
010	0 10 mH ₂ 0
016	0 16 mH ₂ 0
025	0 25 mH ₂ 0



Bar / gauge pressure	
4X0	0 4 bar
6X0	0 6 bar
010	0 10 bar
016	0 16 bar
025	0 25 bar

MH ₂ O / gauge pressure	
040	0 40 mH ₂ O
060	0 60 mH ₂ 0
100	0 100 mH ₂ 0
160	0 160 mH ₂ 0
250	0 250 mH ₂ 0

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