



Pressure sensors Level Probe

LFH-SBX40G1AS05SZ0



Model Name > LFH-SBX40G1AS05SZ0
Part No. > 6040942



*Product may differ
from illustration*

At a glance

- Immersion depth up to 100 m
- Available with various cable lengths (PUR)
- Measuring ranges from 0...0.25 bar up to 0...10 bar
- Stainless steel membrane
- Output signal 4...20 mA
- Hermetically sealed stainless steel housing with PA protection cap

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 openings required in the wall of the vessel



Features

Pressure type:	Gauge pressure
Measuring range:	0 bar ... 0.4 bar
Process temperature:	-10 °C ... 50 °C
CE-conformity:	✓
Output signal:	4...20 mA

Performance

Accuracy:	≤ +/- 0.5 % (of span)
Non-linearity:	≤ ± 0.2 % (of span (Best Fit Straight Line, BFSL) according to IEC 61298-2)
Long-term drift/one-year stability:	≤ ± 0.2 % Of span (at reference conditions)
Temperature coefficient in rated temperature range:	Mean TC of span ≤ 0.2 % of span / 10 K, Mean TC of zero: ≤ 0.2 % of span / 10 K (< 0.4 % for pressure ranges ≤ 0.25 bar)
Rated temperature range:	0 °C ... 50 °C
Non-repeatability:	≤ ± 0.1 % of span

Mechanics/electronics

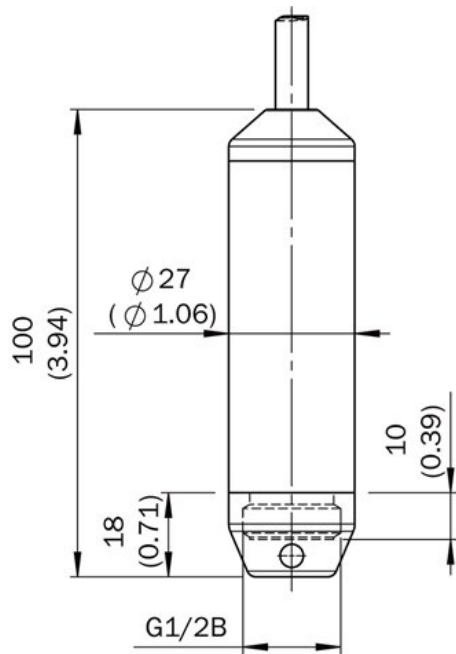
Wetted parts:	Pressure connection/ diaphragm: Stainless steel, Housing: Stainless steel, Protection cap: PA
Enclosure rating:	IP 68
Connection type:	Cable PUR
Supply voltage:	10 V DC ... 30 V DC

Electrical safety:	Short-circuit protection: QA towards M, Protection class: III, Surge protection: According to EN 61000-4-5 (1.5 J) optional for enhanced variant, Reverse polarity protection: L+ towards M
Dielectric strength:	500 V DC, NEC Class 02 power supply (low voltage and low current max. 100 VA even under fault conditions)
Protection class III:	✓
Weight sensor:	0.18 kg
Weight cable:	0.08 kg/m
CE-conformity:	EMC directive: 2004/108/EEC, EN 61326-2-3

Ambient data

Storage temperature:	-30 °C ... 80 °C
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Dimensional drawing



All dimensions in mm (inch)

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