



Pressure sensors
Level Probe

LFH-EBX25G1AS10SZ0



Model Name > LFH-EBX25G1AS10SZ0
Part No. > 6045009

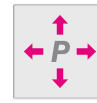


Illustration may differ

At a glance

- Cable length up to 100m
- Available with PUR or FEP cable
- Measuring ranges from 0...0.1 bar up to 0...25 bar
- Measurement accuracy $\pm 0.25\%$ of span
- Output signal 4...20 mA, 0...5 V or 0...10 V
- Hermetically sealed stainless steel housing with protection cap (PA), stainless steel membrane
- Temperature measurement (Pt100) optional
- Optional surge protection

Your benefits

- Precise level measurement even under difficult conditions where other measurement technologies fail
- Well suited even for shallow levels
- Rugged and reliable through robust mechanical design and high-grade materials
- Very good reliability of operation through optional surge protection
- An optional temperature measurement enables use with varying liquid temperatures
- High resistance due to optional FEP cable
- 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 ... 0.25 bar
Process temperature:	-10 °C ... 50 °C
CE-conformity:	✓
Output signal:	4...20 mA

Performance

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

Non-repeatability: $\leq \pm 0.1 \%$ of span

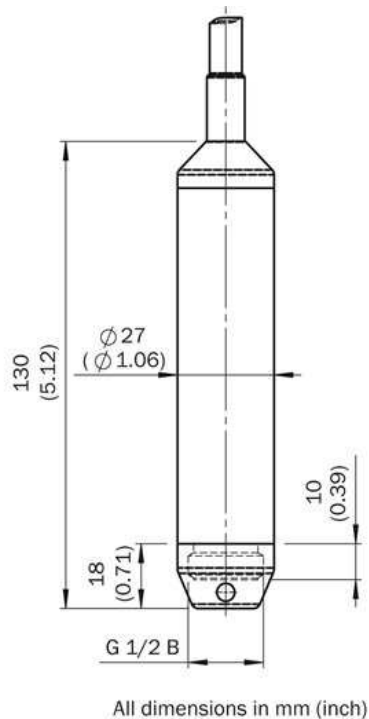
Mechanics/electronics

Wetted parts:	Pressure connection/ diaphragm: Stainless steel, Housing: Stainless steel, Protection cap: PA
Enclosure rating:	IP 68
Electrical connection:	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:	0.2 kg
Weight cable:	0.08 kg/m
CE-conformity:	EMC directive: 2004/108/EC, EN 61 326-2-3

Ambient data

Storage temperature: -30 °C ... 80 °C

Maßzeichnung



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