



Level sensors
Vibrating level switch, LfV230

LfV230-XASGBTPM2400



Model Name > [LFB230-XASGBTPM2400](#)
Part No. > [6043977](#)



*Product may differ
from illustration*

At a glance

- Housing made of 316L stainless steel
- Two electrical output versions available
- Commissioning without filling
- Process temperature up to 150 °C
- Immune to deposit formation
- Very high repeatability
- Aseptic versions with polished surface, CIP and SIP resistant
- Tube extension up to 6 m

Your benefits

- Easy installation and commissioning, no calibration necessary
- Easy operation and integration, saves time
- Maintenance-free sensor, reduces downtime
- Testing in place possible - no mounting required, which reduces installation time
- Flexible and robust system for a multitude of applications
- Universal technology works in all kinds of liquids
- Economical solution for vertical mounting, reduces costs
- Vertical mounting protects against leaks



Features

| | |
|------------------------|-------------------|
| Medium: | Fluids |
| Measurement: | Switch |
| Probe length: | 2,400 mm |
| Process pressure: | -1 bar ... 64 bar |
| Process temperature: | -40 °C ... 100 °C |
| Silicon free: | - |
| Authorizations: | WHG approval |
| WHG approval: | ✓ |
| Fill material density: | 0.7 |

Performance

| | |
|-----------------------------|--------------------------|
| Resolution: | ≤ 1 mm |
| Accuracy of sensor element: | ± 2 mm |
| Repeatability: | 1 |
| Viscosity: | 0.1 mPas ... 10,000 mPas |
| Response time: | 500 ms |

Mechanical data

| | |
|---------------------|-----------------------------|
| Aseptic: | - |
| Housing material: | Stainless steel 1.4404, PEI |
| Process connection: | G 3/4 A PN 64 |
| Wetted parts: | 316L (optional Ra < 0.8 µm) |

Electrical data

| | |
|----------------------|-----------------------------|
| Temperature drift: | 0,03 mm/K |
| Enclosure rating: | IP 67 |
| Supply voltage: | 10 V DC ... 55 V DC |
| Ripple: | ≤ 5 Vpp |
| Power consumption: | < 10 mA |
| Protection class: | 1 |
| Initialization time: | 2 s |
| Hysteresis: | 2 mm |
| Output current: | < 250 mA |
| Signal voltage HIGH: | Vs - < 3 V |
| Signal voltage LOW: | 0 V +- 1 V |
| Capacitive load: | 100 H |
| Inductive load: | ≤ 1 H |
| Connection type: | M12x1 plug connector, 4-pin |

Ambient data

| | |
|--------------------------------|------------------|
| Ambient operating temperature: | -40 °C ... 70 °C |
| Ambient storage temperature: | -40 °C ... 80 °C |

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