



Level sensors Vibrating level switch, LFM230

LFM230-XXSGBTPM1000



Model Name > LFB230-XXSGBTPM1000
Part No. > 6041669



*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:	1,000 mm
Process pressure:	-1 bar ... 64 bar
Process temperature:	-40 °C ... 100 °C
Silicon free:	-
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)

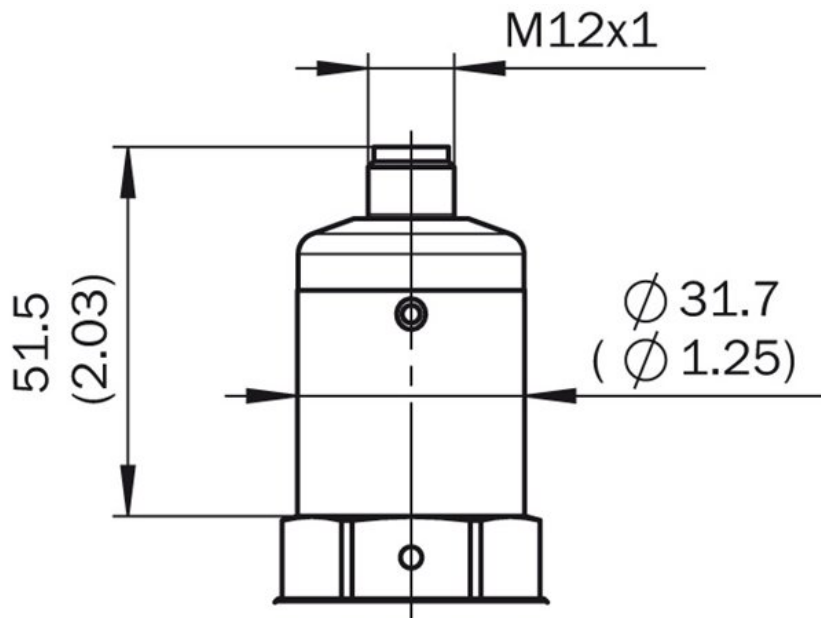
Electrical data

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

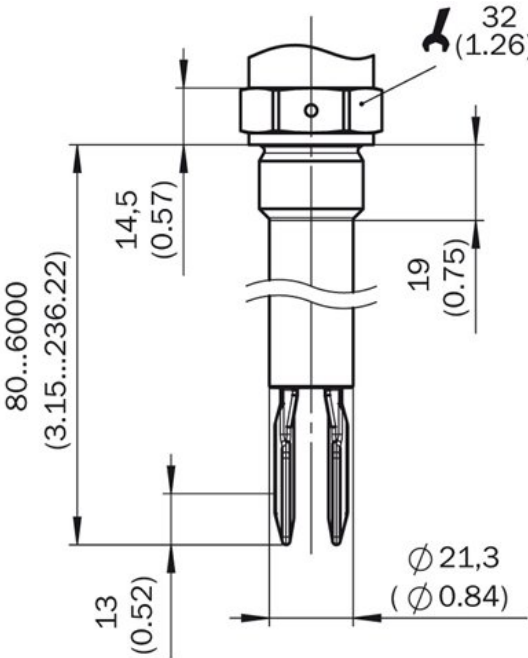
Ambient data

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

Dimensional drawing housing



All dimensions in mm (inch)



All dimensions in mm (inch)

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