

Submersible pressure sensor for oils and fuels

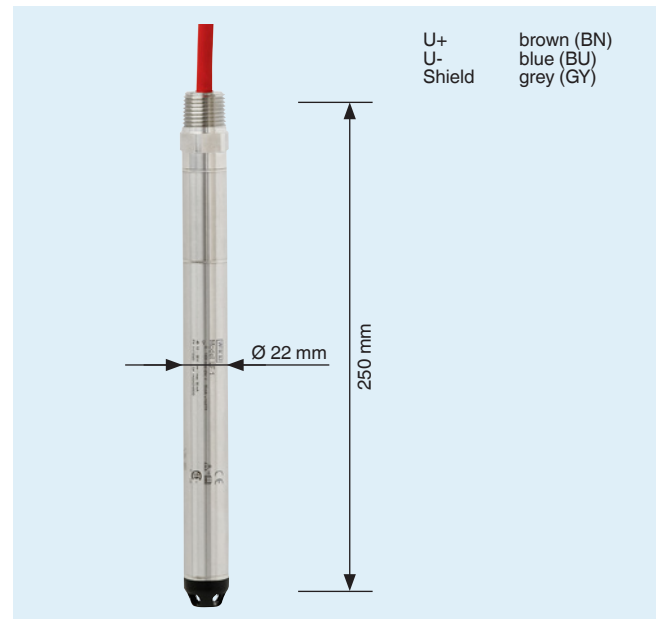
12/2016

Applications

- Level measurement in vessel and storage systems for oils and fuels
- Overfilling and dry-run monitoring
- Battery-operated level measuring systems

Special features

- Developed for all common oils and fuels
- Explosion protection selectable in accordance with ATEX or IECEx
- Low-power output signals for battery-operated measuring systems available
- Optional temperature output for density compensation and temperature monitoring



Order numbers

Output signal	4 ... 20 mA, 2-wire			
Accuracy	≤ ±1.0 % of span			
Medium temperature	-40 ... +80 °C (-40 ... +176 °F)			
Case material	316L	318LN		
Sensor material	316L	Hastelloy C276		
Cable material	PUR without conduit connection		FEP without conduit connection	
Measuring range/ cable length	0 ... 0.1 bar	3 m	14210627	14210663
	0 ... 0.16 bar	3 m	14210633	14210667
	0 ... 0.25 bar	5 m	14210637	14210670
	0 ... 0.4 bar	5 m	14210640	14210672
	0 ... 0.6 bar	10 m	14210643	14210683
	0 ... 1.0 bar	15 m	14210646	14210687
	0 ... 1.6 bar	20 m	14210649	14210690
	0 ... 2.5 bar	30 m	14210650	14210693
	0 ... 4 bar	50 m	14210655	14210694
	0 ... 6 bar	70 m	14210659	14210697

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet LM 40.04)

Field no.	Code	Version
<b>Approvals</b>		
①	Z	without
	A	ATEX
	I	IECEX
	K	ATEX + IECEX
<b>Explosive atmosphere</b>		
②	ZZZZ	without
	AEGA	Gas Zone 0 + 1 (1G, 2G)
	IEGC	Gas Zone 2 (3G)
<b>Measuring range</b>		
③	BG210	0 ... 0.1 bar
	BG216	0 ... 0.16 bar
	BG225	0 ... 0.25 bar
	BG240	0 ... 0.4 bar
	BG260	0 ... 0.6 bar
	BG310	0 ... 1 bar
	BG316	0 ... 1.6 bar
	BG325	0 ... 2.5 bar
	BG340	0 ... 4 bar
	BG360	0 ... 6 bar
	PG234	0 ... 5 psi
	PG269	0 ... 10 psi
	PG310	0 ... 15 psi
	YG198	0 ... 1 mH <sub>2</sub> O
	YG216	0 ... 1.6 mH <sub>2</sub> O
	YG225	0 ... 2.5 mH <sub>2</sub> O
	YG239	0 ... 4 mH <sub>2</sub> O
	YG259	0 ... 6 mH <sub>2</sub> O
YG298	0 ... 10 mH <sub>2</sub> O	
YG316	0 ... 16 mH <sub>2</sub> O	
YG325	0 ... 25 mH <sub>2</sub> O	
YG339	0 ... 40 mH <sub>2</sub> O	
YG359	0 ... 60 mH <sub>2</sub> O	
PG317	0 ... 25 psi	
PG335	0 ... 50 psi	
PG369	0 ... 100 psi	
<b>Output signal</b>		
④	2	4 ... 20 mA (pressure), 2-wire
	3	4 ... 20 mA (pressure) + 4 ... 20 mA (temperature), 4-wire
	4	4 ... 20 mA (pressure) + HART®, 2-wire
	5	DC 0.1 ... 2.5 V (pressure) + DC 0.1 ... 2.5 V (temperature), 4-wire (not possible with Ex-approval)
	6	DC 0.1 ... 2.5 V (pressure), 3-wire (not possible with Ex-approval)
<b>Accuracy</b>		
⑤	D	≤ ±1.0 % of span
	G	≤ ±0.5 % of span
<b>Case + sensor material</b>		
⑥	A	316L
	B	318LN + Hastelloy C276
<b>Cable material</b>		
⑦	A	PUR
	B	FEP
	G	PUR with conduit connection
	K	FEP with conduit connection
<b>Unit of cable length</b>		
⑧	M	meter
	F	feet
<b>Cable length</b>		
⑨	****	e.g. 0010
<b>Overvoltage protection</b>		
⑩	Z	without
	1	10 kA
<b>Permissible medium temperature</b>		
⑪	2B	-10 ... +50 °C (14 ... 122 °F)
	4G	-40 ... +80 °C (-40 ... +176 °F)

Order code: LF-1   -  -    -      ZZ-ZZZZZZ-Z

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