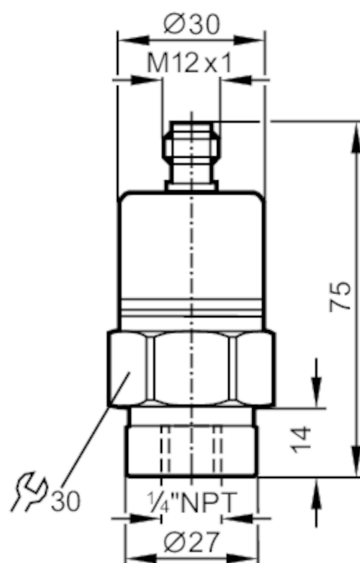




Pressure transmitter with ceramic measuring cell

PD-010-RBN14-A-ZVG/US/E

Article no longer available - archive entry



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1
Measuring range [bar]	0...10
Process connection	threaded connection 1/4" NPT external thread

Application

Application	for industrial applications
Media	liquids and gases
Cannot be used for	oils
Medium temperature [°C]	-25...90; (on request: -40...90 °C)
Min. bursting pressure [bar]	150
Pressure rating [bar]	75
Type of pressure	relative pressure

Electrical data

Operating voltage [V]	9.6...32 DC
Min. insulation resistance [MΩ]	100; (500 V DC)
Protection class	III
Reverse polarity protection	yes

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1
------------------------------	-------------------------------

Outputs

Total number of outputs	1
Output signal	analogue signal



Pressure transmitter with ceramic measuring cell

PD-010-RBN14-A-ZVG/US/E

Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. load [Ω]	720; ($U_b = 24 \text{ V}$; ($U_b - 9,6 \text{ V}$) / 20 mA)
Overload protection	yes

Measuring/setting range

Measuring range [bar]	0...10
-----------------------	--------

Accuracy / deviations

Repeatability [X21]	< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation [X21]	< $\pm 0,5$; (BFSL = Best Fit Straight Line; LS = limit value setting)
Long-term stability [X21]	< $\pm 0,05$; (per 6 months)
Temperature coefficient zero point [X22]	0,1; (-25...80 °C)
Temperature coefficient span [X22]	0,2; (-25...80 °C)

Response times

Step response time analogue output [ms]	3
---	---

Operating conditions

Ambient temperature [°C]	-25...80
Storage temperature [°C]	-40...100
Protection	IP 65

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	30 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)

Mechanical data

Materials	stainless steel (1.4404 / 316L); FKM; PA; EPDM/X
Materials (wetted parts)	stainless steel (1.4305 / 303); ceramics; EPDM/X
Min. pressure cycles	100 million
Process connection	threaded connection 1/4" NPT external thread

Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



PD3224



Pressure transmitter with ceramic measuring cell

PD-010-RBN14-A-ZVG/US/E

Connection

