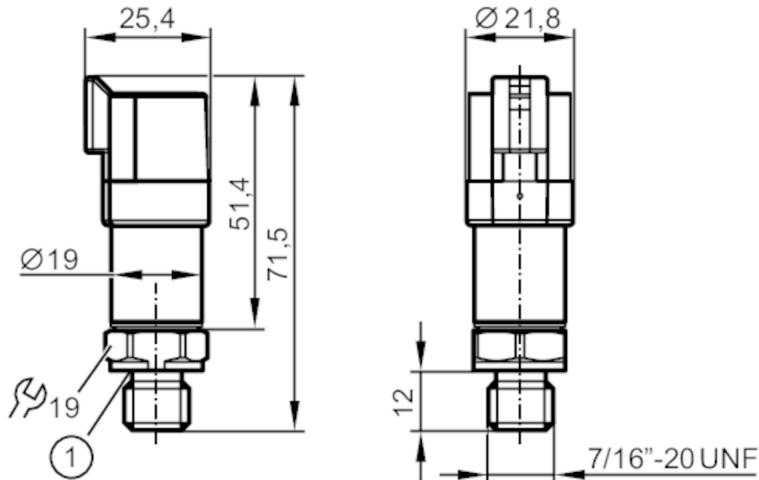


PC1732



Pressure transmitter

PU-300PSEU76-V-DVG/DE



1 Sealing



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1
Measuring range [psi]	0...3000
Process connection	threaded connection 7/16" - 20 UNF (SAE) external thread

Application

Application	for mobile applications
Media	liquids and gases
Medium temperature [°C]	-40...125
Min. bursting pressure [psi]	14500
Pressure rating [psi]	7250
Note on pressure rating	static
Vacuum resistance [psi]	-14.5
Type of pressure	relative pressure

Electrical data

Operating voltage [V]	8...32 DC
Current consumption [mA]	< 12
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
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Outputs

Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue voltage output [V]	0.5...4.5
Min. load resistance [Ω]	2000

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Pressure transmitter

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Short-circuit proof		yes
Overload protection		yes
Measuring/setting range		
Measuring range	[psi]	0...3000
Accuracy / deviations		
Repeatability	[% of the span]	< ± 0,05; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	< ± 0,8; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis)
Linearity deviation	[% of the span]	< ± 0,25 (BFSL) / < ± 0,5 (LS)
Hysteresis deviation	[% of the span]	< ± 0,2
Long-term stability	[% of the span]	< ± 0,1; (per 6 months)
Temperature coefficient zero point	[% of the span / 10 K]	< ± 0,1 (0...80 °C); < ± 0,2 (-40...0 °C / 80...125 °C)
Temperature coefficient span	[% of the span / 10 K]	< ± 0,1 (0...80 °C); < ± 0,2 (-40...0 °C / 80...125 °C)
Response times		
Step response time analogue output	[ms]	2
Operating conditions		
Ambient temperature	[°C]	-40...100
Storage temperature	[°C]	-40...100
Protection		IP 67; IP 69K
Tests / approvals		
EMC		compliant with UN ECE R10, rev. 5
		ISO 11452-2
		100 V/m
		DIN EN 61326-1
Shock resistance		DIN EN 60068-2-27
Vibration resistance		500 g (1 ms)
MTTF	[years]	DIN EN 60068-2-6
Pressure Equipment Directive		20 g (10...2000 Hz)
		658
		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data		
Weight	[g]	55.5
Materials		stainless steel (630/1.4542/17-4 PH); stainless steel (316L/1.4404); PPS
Materials (wetted parts)		stainless steel (630/1.4542/17-4 PH)
Min. pressure cycles		60 million; (at 1.2 times nominal pressure)
Tightening torque	[Nm]	25...35; (recommended tightening torque; depends on lubrication, seal and pressure rating)
Process connection		threaded connection 7/16" - 20 UNF (SAE) external thread
Process connection sealing		FKM
Restrictor element integrated		yes

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Remarks

Remarks

BFSL = Best Fit Straight Line

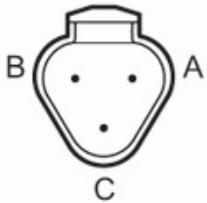
LS = limit value setting

Pack quantity

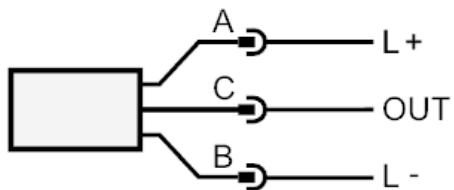
1 pcs.

Electrical connection

Connector: 1 x DEUTSCH connector (DT04-3P); Maximum cable length: 30 m



Connection



OUT

analogue output