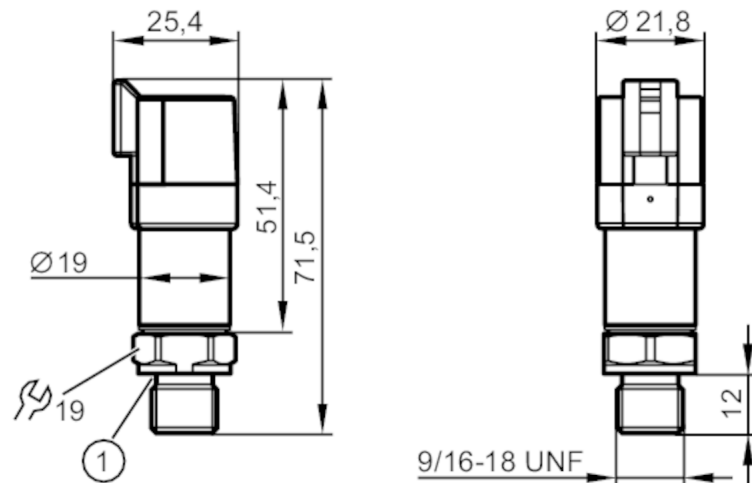


PU1760

Pressure transmitter

PU-800PSEU96-V-DVG/DE



1 Sealing



Application

Application	for mobile applications
Media	liquids and gases
Medium temperature [°C]	-40...125
Pressure rating [psi]	20000
Note on pressure rating	static
Min. bursting pressure [psi]	36250
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
------------------------------	-------------------------------

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
Short-circuit proof	yes
Overload protection	yes

Measuring/setting range

Measuring range [psi]	0...8000
-----------------------	----------



Pressure transmitter

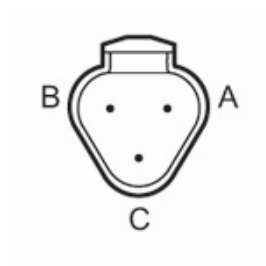
PU-800PSEU96-V-DVG/DE

Accuracy / deviations		
Repeatability	[% of the span]	$< \pm 0,05$; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	$< \pm 0,8$; (incl. drift when overtightened, zero point and span error, non-linearity, hysteresis)
Linearity deviation	[% of the span]	$< \pm 0,25$ (BFSL) / $< \pm 0,5$ (LS)
Hysteresis deviation	[% of the span]	$< \pm 0,2$
Long-term stability	[% of the span]	$< \pm 0,1$; (per 6 months)
Temperature coefficient zero point	[% of the span / 10 K]	$< \pm 0,1$ (0...80 °C); $< \pm 0,2$ (-40...0 °C / 80...125 °C)
Temperature coefficient span	[% of the span / 10 K]	$< \pm 0,1$ (0...80 °C); $< \pm 0,2$ (-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	conforms to UN ECE 10 rev. 4	
	ISO 11452-2	100 V/m
	DIN EN 61326-1	
Shock resistance	DIN EN 60068-2-27	500 g (1 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF	[years]	658
Pressure Equipment Directive		Modul A; can be used for group 2 fluids; group 1 fluids on request
Mechanical data		
Weight	[g]	61.8
Materials		1.4542 (17-4 PH / 630); stainless steel (1.4404 / 316L); PPS
Materials (wetted parts)		1.4542 (17-4 PH / 630)
Min. pressure cycles		60 million; (at 1.2 times nominal pressure)
Tightening torque	[Nm]	30...50; (recommended tightening torque; depends on lubrication, seal and pressure rating)
Process connection		threaded connection 9/16 - 18 UNF external thread
Process connection sealing		HNBR (to DIN 3869)
Restrictor element integrated		yes
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		

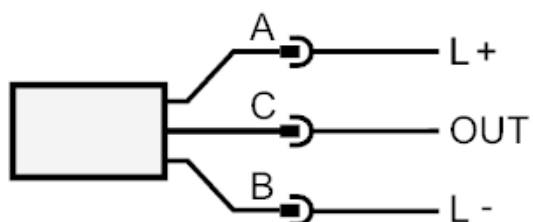
PU1760

Pressure transmitter

PU-800PSEU96-V-DVG/DE



Connection



OUT analogue output