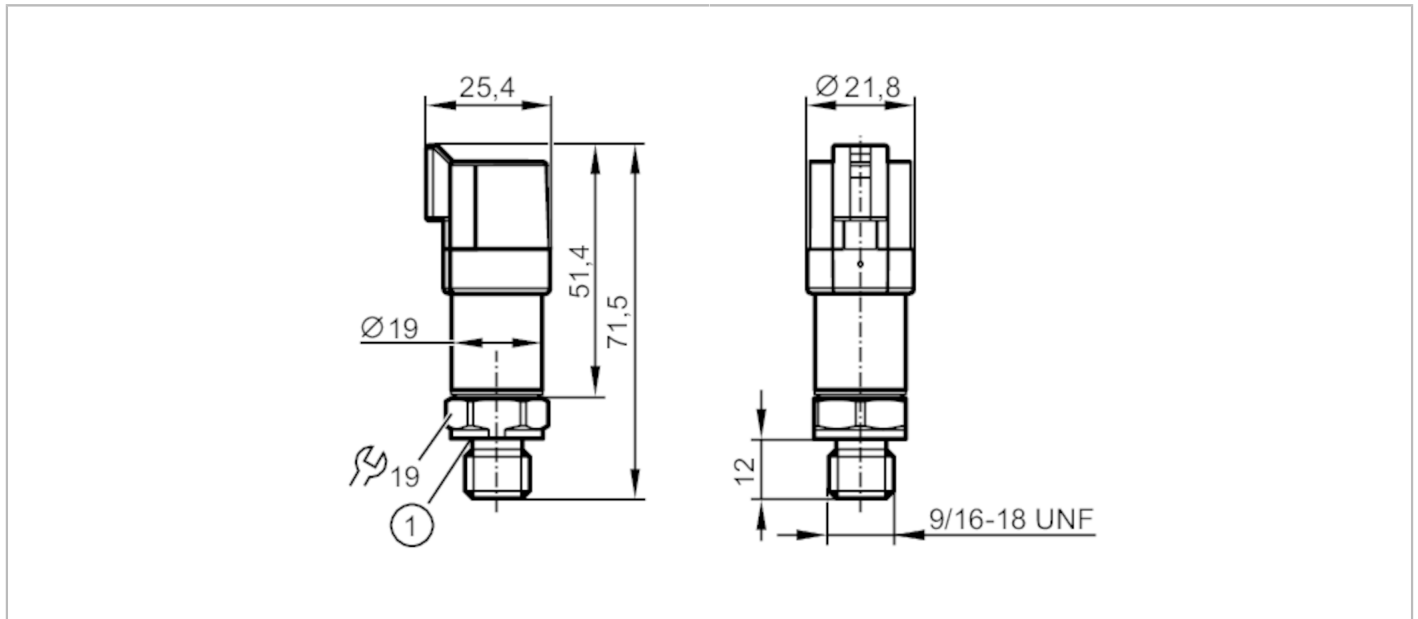


PU1700



Pressure transmitter

PU-500PSEU96-V-DVG/DE



Product characteristics	
Number of inputs and outputs	Number of analog outputs: 1
Measuring range [psi]	0...5000
Process connection	threaded connection 9/16" - 18 UNF external thread
Application	
Application	for mobile applications
Media	liquids and gases
Medium temperature [°C]	-40...125
Min. bursting pressure [psi]	24650
Pressure rating [psi]	14500
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
Power-on delay time [s]	< 0.1
Inputs / outputs	
Number of inputs and outputs	Number of analog outputs: 1

PU1700



Pressure transmitter

PU-500PSEU96-V-DVG/DE

Outputs		
Total number of outputs	1	
Output signal	analog signal	
Number of analog outputs	1	
Analog 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...5000	
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)	
Reaction times		
Step response time analog 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	500 g (1 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF [years]	652	
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

PU1700



Pressure transmitter

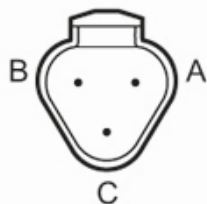
PU-500PSEU96-V-DVG/DE

Mechanical data	
Weight [g]	62
Material	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]	25...35; (recommended tightening torque; Depends on lubrication, seal and pressure rating)
Process connection	threaded connection 9/16" - 18 UNF external thread
Process connection sealing	HNBR (DIN EN ISO 1179-2)
Restrictor element integrated	yes

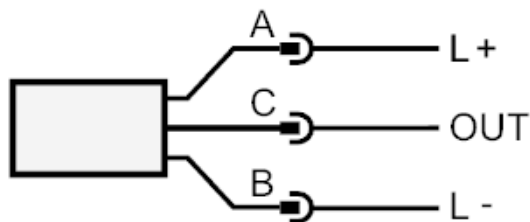
Remarks	
Remarks	BFSL = Best Fit Straight Line LS = limit value setting
Pack quantity	1 pcs.

Electrical connection

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



Connection



OUT analog output