



Acronym **PTL**
Title **Pressure Transmitter for Liquid PTL**
Cod
Brand **Tflow®**

DESCRIPTION



PTL
Pressure Transmitter for Liquid PTL

Applications

The **PTL** is a pressure transmitter for pressure detection in liquid mediums of air-conditioning, heating and water technique.
Suitable for plants with refrigerants.

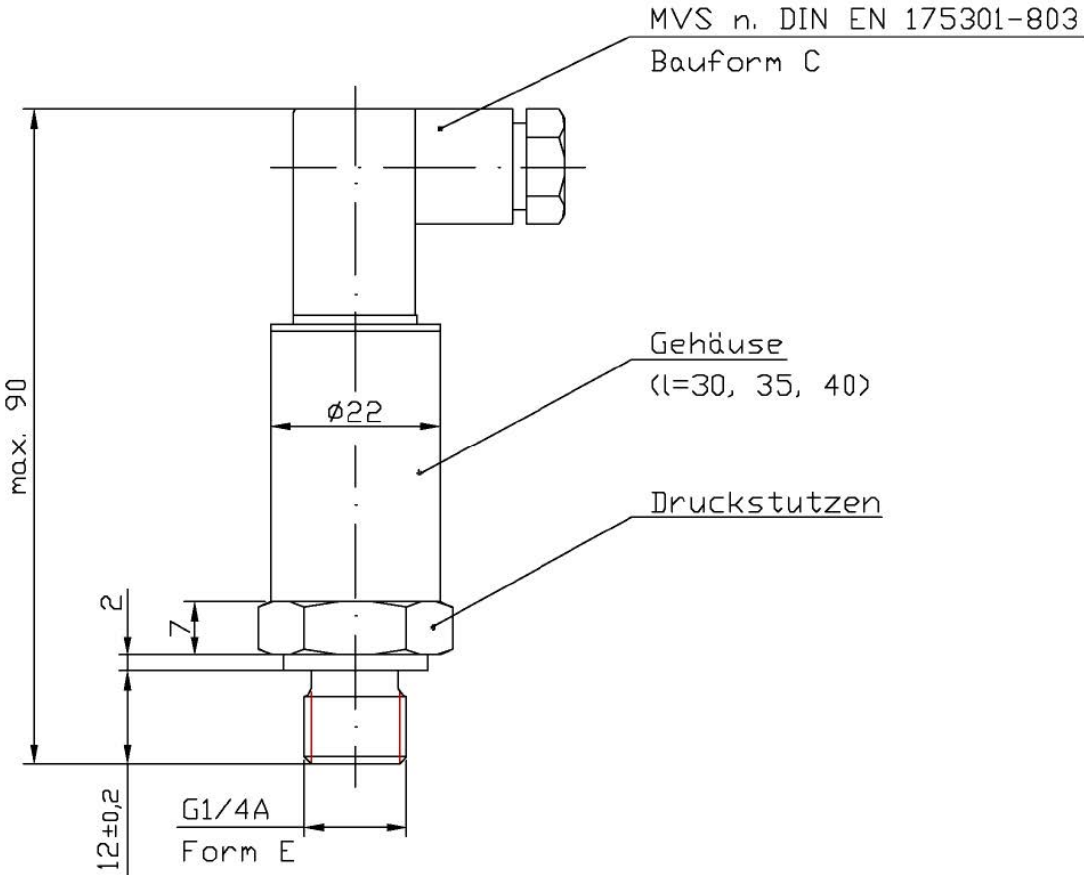
Model summary

Type code	Measuring range	Output signal	Accuracy typ. %/FS *
PSL-4-V	0 ÷ 4bar	0 ÷ 10 V	±0,7 %
PSL-4-A	0 ÷ 4 bar	4 ÷ 20 mA	±0,7 %
PSL-6-V	0 ÷ 6 bar	0 ÷ 10 V	±0,7 %
PSL-6-A	0 ÷ 6 bar	4 ÷ 20 mA	±0,7 %
PSL-10-V	0 ÷ 10 bar	0 ÷ 10 V	±0,7 %
PSL-10-A	0 ÷ 10 bar	4 ÷ 20 mA	±0,7 %
PSL-16-V	0 ÷ 16 bar	0 ÷ 10 V	±0,7 %
PSL-16-A	0 ÷ 16 bar	4 ÷ 20 mA	±0,7 %
PSL-25-V	0 ÷ 25 bar	0 ÷ 10 V	±0,7 %
PSL-25-A	0 ÷ 25 bar	4 ÷ 20 mA	±0,7 %

Legenda:
- A for mA output
- V for voltage output
* (temperature: -20 ÷ 85°C)

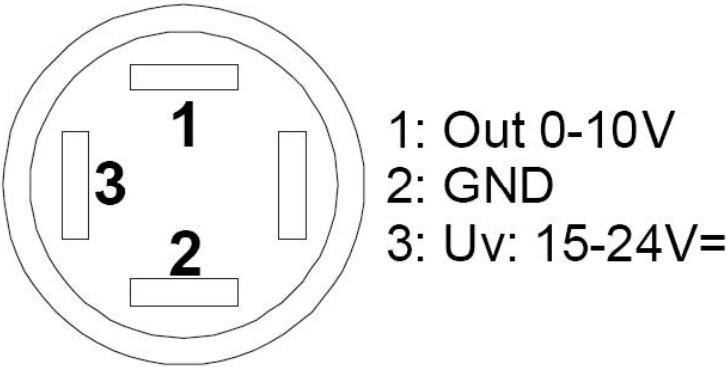
DIMENSIONS

Width [mm]
Height [mm]
Depth [mm]
Packaging
Weight [g]
Outline drawings [mm]

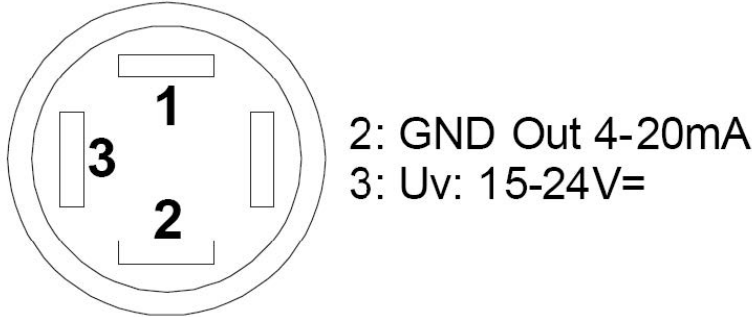


Electrical connections

0 ÷ 10 V type



4 ÷ 20 mA Type



TECHNICAL DATA

Measuring Element	Stainless-steel diaphragm poly-Si on SiO ₂ (thin-film resistor)
Pressure Type	Relative Pressure
Over Load Range	double nominal pressure
Bursting Pressure	triple nominal pressure
Pressure Connectors	G1/4" or G1/2"
Ambient temperature	-40 ÷ 105 °C
Temperature of medium	-40 ÷ 125 °C
Output signal	4 ÷ 20 mA, max load (U _{in} -12V)/20 mA
Type PTL xx A	
Supply voltage	15 ÷ 24 Vdc (±10 %)
Output signal	4 ÷ 20 mA, max load 900 ohm / 24 Vdc
Type PTL xx V	
Supply voltage	15 ÷ 24 Vdc (±10 %) or 24 Vac (±10%)
Output signal	0 ÷ 10 V, min load 5 kOhm
Norms and standards	
CE-Conformity	89/336/EEC Electromagnetic compatibility 73/23/EEC Low voltage Directive
EMC	EN55022 EN61000-4-3
Resistance to shock-proof	IEC 68-2-32
Resistance to vibrations	IEC 68-2-06 and IEC 68-2-36