

PRESSURE TRANSMITTERS FOR LIQUIDS PTL Series

Pressure transmitters for liquids are used for pressure detection in liquid mediums of the air-conditioning, heating and water technique. They are suitable for plants with refrigerant.



MODEL SUMMARY

Description	Model	Product code	Measurement range (bar)
Pressure transmitter for liquids, voltage output	PTL4/V	112.001.001	0...4 bar
Pressure transmitter for liquids, voltage output	PTL6/V	112.002.001	0...6 bar
Pressure transmitter for liquids, voltage output	PTL10/V	112.003.001	0...10 bar
Pressure transmitter for liquids, voltage output	PTL16/V	112.004.001	0..16 bar
Pressure transmitter for liquids, voltage output	PTL25/V	112.005.001	0...25 bar
Pressure transmitter for liquids, current output	PTL4/A	112.001.002	0...4 bar
Pressure transmitter for liquids, current output	PTL6/A	112.002.002	0...6 bar
Pressure transmitter for liquids, current output	PTL10/A	112.003.002	0...10 bar
Pressure transmitter for liquids, current output	PTL16/A	112.004.002	0...16 bar
Pressure transmitter for liquids, current output	PTL25/A	112.005.002	0...25 bar

PRESSURE TRANSMITTERS FOR LIQUIDS

PTL Series

SPECIFICATIONS

Performance

Accuracy (typ. %/FS):
(temperature: -20...85 °C)
±1.0 %

Overload range:
1.5 times full scale

Bursting pressure:
3.0 times full scale

Technical Specifications

Pressure type:
relative pressure

Measuring units:
bar

Environment:

Ambient temperature: -35...105 °C
Temperature of medium: -40...125 °C

Physical

Measuring element:

Ceramic sensing element

Pressure connectors:

pressure G1/4", coupling G1/4"-G1/2"

Electrical

PTL with current output:

Supply voltage: 10...30 VDC

Output signal: 4...20 mA, max load 800 ohm / 24 VDCmA

PTL with voltage output:

Supply voltage: 15..24 VDC / 24 VAC (±10 %)

Output signal: 0...10 V, min load 5 kOhm

Conformance

Meets requirements for CE marking:

AE 50116825 0001

EMC:

EN50081-1/-2; EN50082-2

Resistance to mechanical shock:

10 g / 5 ~ 2000 Hz, axes X/Y/Z 20 g sine 11 ms

Resistance to vibrations:

10 g / 5 ~ 2000 Hz, axes X/Y/Z 20 g sine 11 ms