

WATER PRESSURE TRANSMITTER VPL 16

Water pressure transmitter VPL 16 is designed to detect pressures at the HVAC automation systems. The pressure is measured with ceramic sensor element. Allowed mediums are water, water/glycol mixtures, air and oils.

Output is directly proportional to the pressure inside the pipeline. Material of wetted parts is stainless steel (AISI 303) and housing for electrical connections is made of heat resisting plastics.

When the transmitter is connected to the cold / chilled water circuit, condensation on the sensor must be prevented. The condensation can be prevented by installing the transmitter far enough from the cold pipe, for example.

The range for measuring can be chosen at commissioning. The cover with display can be added afterwards. The socket for display is ready installed on the card.

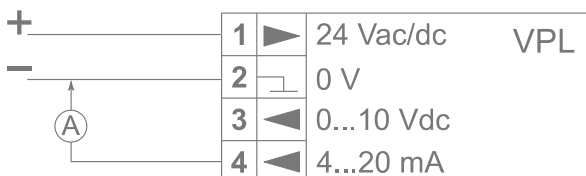
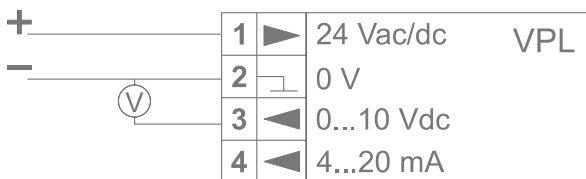
ATTENTION!

Device may be damaged by overpressure if installation is made against fluid and closed valve.

Measuring range selection:

S1	S2	Range (bar)
●●	●●	0...2,5
■	●●	0...6
●●	■	0...10
■	■	0...16

Wiring



Technical data:

Supply	24 Vac/dc, 1 VA
Ranges	0...2,5 bar 0...6,0 bar 0...10 bar 0...16 bar
Mounting	R 1/2"
Outputs	0...10 Vdc, < 2 mA 4...20 mA, < 800 Ω
Inaccuracy	< 0,1 bar
Long term stability	< 0,2 bar / year
Operating conditions	humidity non-condensing temperature 0...+60 °C
Allowed medium temperature	0...+125 °C
Max. overpressure	50 bar
Max. negative pressure	1 bar
Protection class	IP54, cable gland or sensor down
Tool	27 mm
Materials	wetting parts AISI 303 (stainless) housing heat resisting plastic

Ordering guide:

Model	Product number	Description
VPL 16	1134050	water pressure transmitter ranges 0-2.5, 0-6, 0-10 or 0-16 bar
VPL 16-N	1134051	water pressure transmitter with display

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

WATER PRESSURE TRANSMITTER VPL 60

Water pressure transmitter VPL 60 is designed to detect pressures at the HVAC applications; water, heating, air-conditioning and refrigeration systems.

Outputs (0-10Vdc or 4-20mA) are directly proportional to the pressure inside the pipeline.

Pressure sensor element is made by using ceramic techniques. Allowed mediums are water, air, oils and glycol/water mixtures. Material of wetted parts is stainless steel (AISI 303) and housing for electrical connections is made of heat resisting plastics.

When the transmitter is connected to the cold / chilled water circuit, condensation on the sensor must be prevented.

The process connection is made by a thread of R1/2".

The range for measuring can be chosen at commissioning.
The socket for display is ready installed on the board.
The cover with display can be added afterwards.

ATTENTION!

Device may be damaged by overpressure if installation is made against fluid and closed valve.



Technical data:

Supply	24 Vac / dc, 1VA
Range	0...16 bar
(to choose at commissioning)	0...25 bar 0...40 bar 0...60 bar
Mounting	R 1/2"
Outputs	0...10 Vdc, < 2 mA 4...20 mA, < 800 Ω
Inaccuracy	< +/- 0,5 bar
Temperature drifting	< +/- 0,3 bar / 10K
Long term stability	< +/- 0,3 bar / year
Operating conditions	
humidity	non-condensing
temperature	0...+60 °C
Allowed medium temp.	0...+85 °C
Max. overpressure	120 bar
Protection class	IP 54, cable gland or sensor down
Tool	27 mm
Material	
wetting parts	AISI 303 (stainless), ceramics
housing	heat resisting plastic

Wiring:

1	24 Vac / dc
2	0V
3	0...10 Vdc
4	4...20 mA

Ordering guide:

Model	Product number	Description
VPL 60	1134030	water press. transmitter range 0-16, 0-25, 0-40 or 0-60 bar
VPL 60-N	1134310	transmitter with display

Products fulfill the requirements of directive 2004/108/EY and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

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