

2-wire differential pressure and flow transmitter with linearized output signal

MF-PF-2W

Md-1319gb / 2008-09-15

- ✓ Pressure or flow linearized output signal
- ✓ Two selectable pressure ranges
- full range or half range
- ✓ Adjustable damping
- ✓ Easy zero-setting using one button
- ✓ Calibration protocol included



Application

Pressure or flow measurement with 2-wire connection in industrial applications.

High degree of protective enclosure - IP 65.

Mounting

The apparatus is designed for wall mounting using hidden mounting screws.

Pressure connections

Pressure connections for 8/6 mm, HT- tube.

Possibility to alternative connections, for instance pipe or hose fittings.

Output signal

4...20 mA, pressure or flow linearized.

Supply voltage

Supply voltage 12...28 VDC.

Damping

Selectable damping in two steps with DIL switch.

Pressure ranges

Several pressure ranges available as standard, pressure range must be specified when ordering,

Selected pressure range can be switched with on-board DIL switch to half the range. This function can not be applied to pressure range with zero-crossing.

Zero setting

Zero setting is easily made by removing the pressure tubes and pressing the zero button and an automatic zero adjustment is done.

Technical data

Supply voltage:	12...28 VDC
Max load current:	100 mA
Max load:	$\frac{\text{supply voltage} - 10V}{0,020A}$
Pressure ranges:	Full range (half range) -50...50 Pa 0...50 (0...25*) Pa 0...100 (0...50*) Pa 0...200 (0...100*) Pa 0...500 (0...250*) Pa 0...1 (0...0,5*) kPa 0...2 (0...1*) kPa 0...5 (0...2,5*) kPa
	*)Half measuring range using DIL switch. Accuracy is always in % of the full range.
	Other ranges available on request.
Overload:	Max. 50 kPa
Output:	4...20 mA
Ambient temperature:	0...55°C
Accuracy:	< ±1,0% of full pressure range (SS IEC 770)
Temp.drift:	Max. 0.5 % per 10°C
Damping:	Selectable 1 or 4 seconds.
Degree of protection:	IP 65
Electrical connections:	Max 2 x 1.5 mm ² per terminal
Cable entry:	1 threaded hole M16x1,5 (cable gland not included)
Pressure connections:	8/6 mm plastic tube
Dimensions WxHxD:	122 x 120 x 92 mm
Weight:	0,6 kg

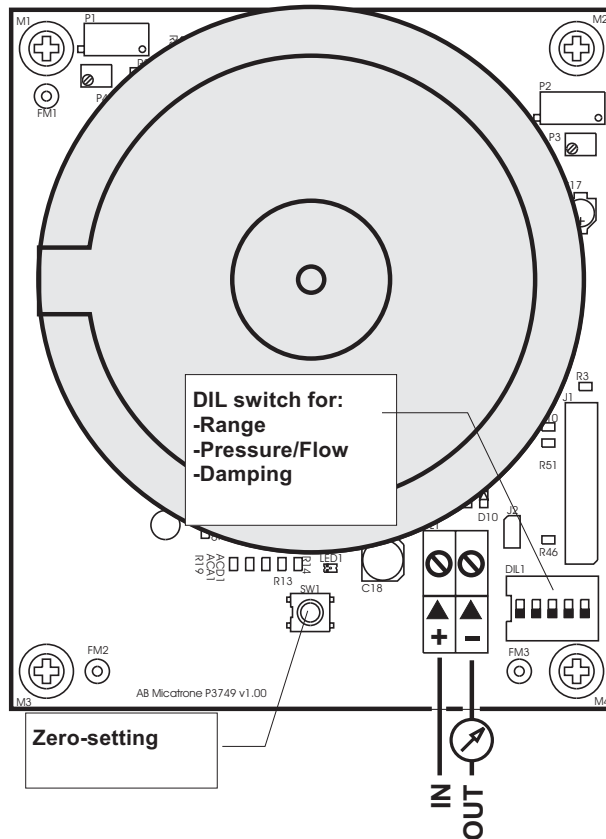
Maintenance

MF-PF-2W does not normally need any maintenance but it is recommended to check zero setting in every 6:th month.

Accessories

- Pressure connection kit VR-DR
- Block valve 2-TK/M mounted on transmitter
- Block valve 2-TK with wall brackets
- HT-tube 8/6 yellow, per meter or roll 50 meter
- MFS - Flow sensors

Electrical connections



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