

DESIGN

Pressure and Flow transmitter with four selectable pressure:

PFM-200 : 200/150/100/50 Pa
 PFM-1000 : 1000/750/500/250 Pa

Selectable pressure [PRESSURE] or flow linear [FLOW] output, 0..10V.

Two-step selectable damping [DAMPING], 1 or 4 sec.

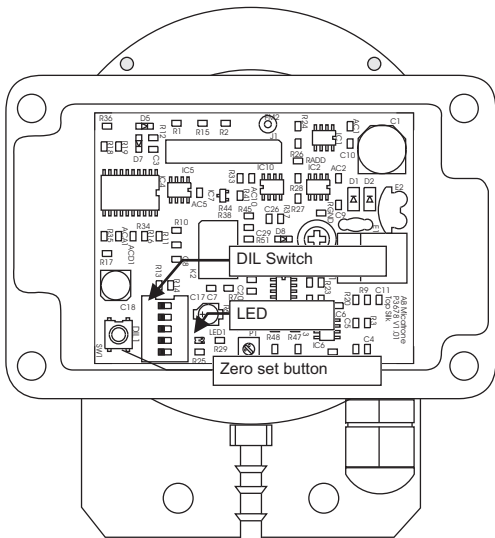
MOUNTING

Micaflex PFM is mounted vertical with two screws max.ø4,2 mm with the pressure connections downwards. Pressure connections for 4 mm plastic tube.

SETTING OF RANGE/DAMPING

The pressure range and damping time is set with a miniature switch on the circuit board according to figure 1.

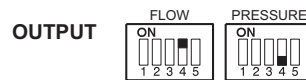
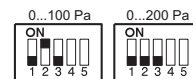
(Factory set to 200 Pa, 1000 Pa)



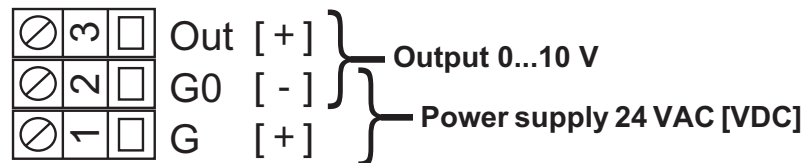
ZERO SET

MF-PFM should be connected to power supply for at least 2-3 minutes before zero set is made. Remove the pressure connections from outside. Press down the zero-set button and keep pressed, the LED starts to flash. Release the button when the LED turns off. When the LED is lit the zero-set is ready.

Setting DIL-switches:



CONNECTION:



TECHNICAL DATA

Measuring range,
 PFM-200: 200/150/100/50 Pa
 PFM-1000: 1000/750/500/250 Pa

Power supply: 24 VAC or 18-32 VDC
 Power consumption: 1,5 VA
 Overload: 50 kPa
 Output: 0...10 Volt
 pressure or flow linear.

Surrounding temp.: 0...55 °C
 Max deviation: ± 1 % FS
 Temp.drift: max 0,5% / 10°C
 Time constant: 1 alt 4 seconds.

Comply with standards,

- EMC : SS-EN 50081-1
 SS-EN 50082-2
- LVD : SS-EN 61010-1

Enclosure,

- material : ABS plastic
- protection : IP54
- dimension [wxhxd]: 98 x 105 x 100 mm

Weight: 320 g

Electrical connection: max 1x1,5mm²/terminal
 Cable entry : M12 threaded hole

MAINTENANCE

Micaflex PFM should be zero adjusted annually.

