

UTFÖRANDE

Tryck- och flödesgivare med fyra omkopplingsbara tryckområden enligt nedan:

PF-300M : 300/200/100/50 Pa
 PF-1000M : 1000/500/200/100 Pa
 PF-3000M : 3000/2000/1000/500 Pa

Valbar tryck [PRESSURE] eller flödeslinjär [FLOW] utsignal, 0..10V.

Valbar dämpning [DAMPING], 1 eller 4 sek.

MONTAGE

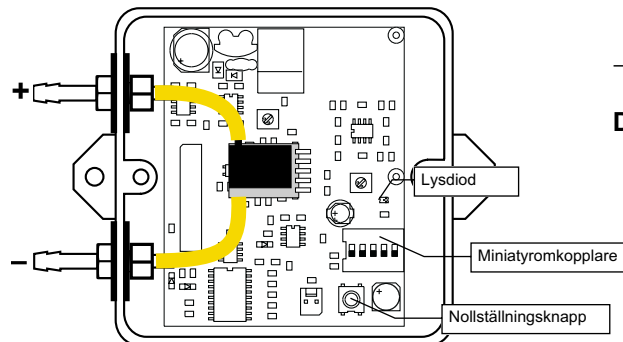
Micaflex PF monteras i valfri position med två skruv max. $\varnothing 4,2$ mm. Tryckanslutning sker med plastslang, max 4mm invändig diameter.

INSTÄLLNING AV MÄTOMRÅDE/DÄMPNING

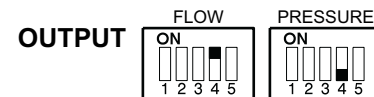
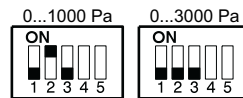
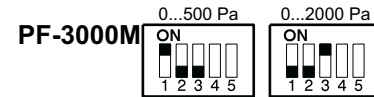
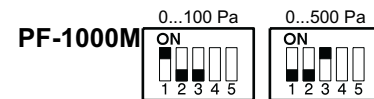
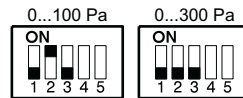
Val av tryckområde sker med miniatyromkopplare på kretskortet enligt figur 1.

NOLLSTÄLLNING

MF-PF bör vara spänningsatt minst 2-3 minuter innan nollpunktsjustering utföres. Lossa tryckslangarna utvändigt. Tryck ned nollställningsknappen och håll den nedtryckt, lysdioden börjar blinka. Släpp knappen då lysdioden slocknat. Vid fast sken är nollställningen klar.



Inställning av miniatyromkopplare :



TEKNISKA DATA

Mätområde,

- PF-300M : 300/200/100/50 Pa
 - PF-1000M : 1000/500/200/100 Pa
 - PF-3000M : 3000/2000/1000/500 Pa

Matning :

24 VAC eller 18-32 VDC

Effektförbrukning :

0,5 VA

Överlast :

25 kPa

Utsignal :

0...10 Volt
tryck- eller flödeslinjär.

Omgivningstemp. :

0...55 °C

Max mätfel :

$\pm 0,5$ % FS

Temp.drift :

max 0,3% / 10°C

Tidskonstant :

1 alt 4 sekunder.

Uppfyller standard,

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

Kapsling,

- material : ABS plast
 - täthetsklass : IP65
 - dimension [bxhxd] : 110x80x52 mm

Vikt :

135g

Elektrisk anslutning : max 1x1,5mm²/terminal

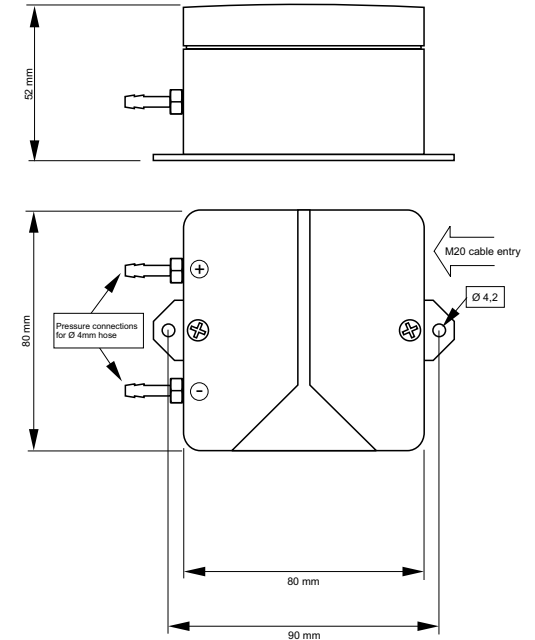
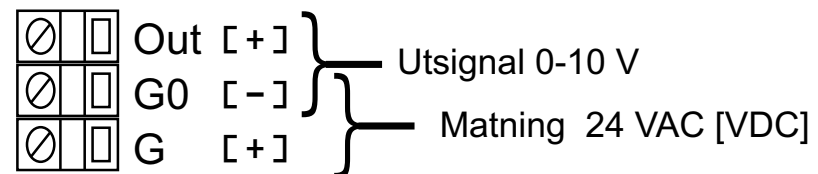
Kabelgenomföring : 1st M20 hål alt.

Membrangenomgång.

SKÖTSEL

Micaflex PF bör nollpunktsjusteras en gång per år.

INKOPPLING



DESIGN

Pressure and Flow transmitter with four selectable pressure ranges according to type:

PF-300M : 300/200/100/50 Pa
 PF-1000M : 1000/500/200/100 Pa
 PF-3000M : 3000/2000/1000/500 Pa

Selectable pressure [PRESSURE] or flow linear [FLOW] output signal, 0..10V.
 Two-step selectable damping [DAMPING], 1 or 4 seconds.

MOUNTING

MicaFlex PF is mounted in freely selectable position with two screws max. $\varnothing 4.2$ mm. Pressure connection should be done with plastic hose with a maximum inner diameter of 4mm.

SETTING OF RANGE/DAMPING

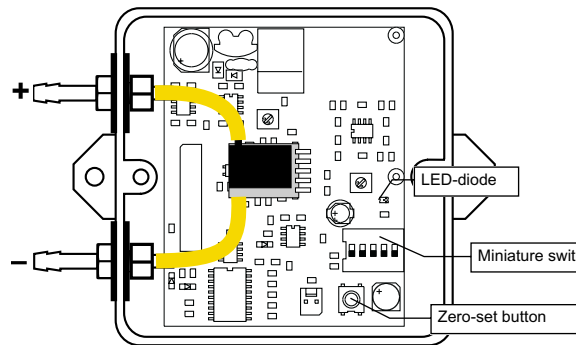
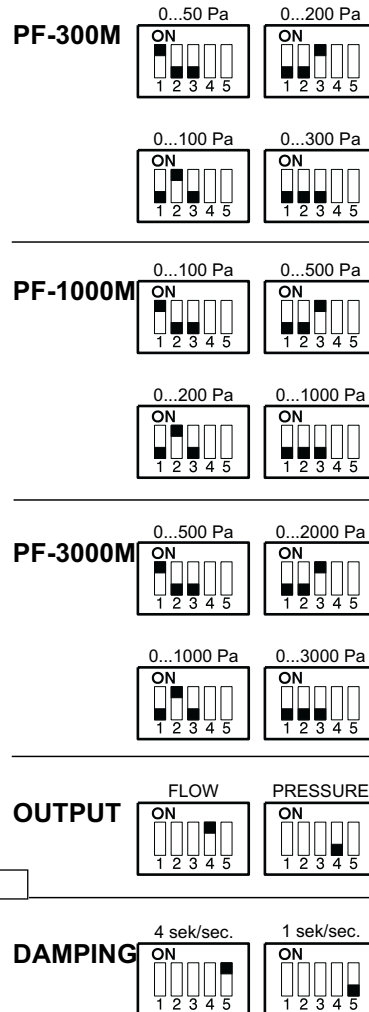
The pressure range and the damping time is set with a miniature switch on the circuit board according to figure.

ZERO SET

MF-PF should be connected to power supply for at least 2-3 minutes before zero set is made. Remove the pressure hose from outside the

connections. Press down the zero-set button on the circuit board and keep it 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 the miniature switch :



TECHNICAL DATA

Measuring range,
 - PF-300M : 300/200/100/50 Pa
 - PF-1000M : 1000/500/200/100 Pa
 - PF-3000M : 3000/2000/1000/500 Pa

Power supply : 24 VAC or 18-32 VDC
 Power consumption : 0,5 VA
 Overload : 25 kPa
 Output : 0...10 Volt
 pressure- or flow linear.

Surrounding temp. : 0...55 °C
 Max deviation : $\pm 0,5$ % FS
 Temp. drift : max 0,3% / 10°C
 Time constant : 1 alt 4 seconds.
 (DAMPING)

Comply with standards,
 - EMC : SS-EN 50081-1
 SS-EN 50082-2
 - LVD : SS-EN 61010-1

Enclosure,
 - material : ABS plastic
 - protection : IP65
 - dim. [WxHxD] : 110x80x52 mm
 Weight : 135g

Electrical conn. : max 1x1,5mm²/terminal
 Cable entry : 1pc M20 hole alt.
 Membrane pass-through.

MAINTENANCE

MicaFlex PF should be zero adjusted annually.

CONNECTION

