

Micaflex P ver 4  
Differential pressure transmitter for low  
pressure applications

MF-P  
ver 4

- ✓ Accurate, stable and repeatable low differential pressure measurement
- ✓ Output signal in Volt and mA
- ✓ Easy One-Key zero-setting
- ✓ Two selectable measuring ranges, full range or half range
- ✓ Selectable damping for smooth output signal
- ✓ Calibration certificate included



APPLICATION

The Micaflex P (MF-P) is a low differential pressure transmitter specifically aimed towards HVAC control. Measurement ranges start as low as a 50 Pa full span. The transmitters can have their analogue signal trimmed for half range where appropriate, further driving this differential pressure to cleanroom pressure monitoring type applications.

All Micaflex differential pressure transmitters are manufactured in an ISO 9001-compliant environment and are supplied with calibration certificate. Accuracy is within 0,5% of the full range plus 0,5 Pa. Analogue output signals are user selectable for 0-10V or 4-20mA.

MF-P is designed for vertical wall mounting but can be fitted with an optional frame kit, MFM-PANEL, for recessed mounting on wall or through a cabinet door.

MF-P is connected to 24 VAC or 20...32 VDC.

Traceable certificate of factory calibration included.

ACCESSORIES

(combined built-in accessories are limited)

- ☐ Mounting kit for recessed mounting, MFM-PANEL.
- ☐ Transformer 230 VAC, built-in or external.
- ☐ Mono block valve with easy access for reference pressure control, 2-TK/M.
- ☐ Impulse hose connection kit, VR-DR.

ELECTRICAL CONNECTION

Main connection board

24 VAC/VDC		Output		
G (+)	G0 (-)	G0 (-)	Out (V)	Out (mA)

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## TEKNISKA DATA:

<b>Supply voltage:</b>	24 ± 15% VAC, 20...32 VDC 230 VAC (with transformer) 50/60 Hz
<b>Power consumption:</b>	Max 3 VA (24 VAC) Max 2 W (24 VDC) Max 8 VA (230 VAC)
<b>Range:</b>	-50...+50 (-25...+25) 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...1,0) kPa 0...5 (0...2,5) kPa Other ranges on request. Measuring range in brackets at half the measuring range.
<b>Overload:</b>	Max 50 kPa
<b>Accuracy:</b>	< ± 0,5 % of the full range plus ± 0,5 Pa (Min. ± 1 Pa)
<b>Temperature drift:</b>	< ± 0,5 % /10 °C
<b>Damping:</b>	Selectable time constants of 0.05, 0.7, 1.5 and 2.2 s.
<b>Output signal:</b>	4...20 mA max $R_L$ = 400 Ohm 0...10 Volt $R_i$ = 0 Ohm Both mA and Volt signal can be used simultaneously. 0 ... 20 mA can be ordered. Inverted signal can be ordered.
<b>Ambient temp.:</b>	0...50°C
<b>Degree of protec.:</b>	IP 65, ABS plastic

<b>El. connections,</b>	
- solid conductor:	1 x 2,5 mm <sup>2</sup> / terminal
- stranded conductor:	1 x 1,5 mm <sup>2</sup> / terminal
<b>Cable entries:</b>	2 pcs threaded holes M16x1,5 (cable glands not included)
<b>Pressure. conn.:</b>	8/6 mm HT-plastic tube
<b>Dimensions:</b>	WxHxD = 122x120x90 mm
<b>Weight:</b>	0.72 kg



### CE and UKCA conformity

AB Micatrone declare under sole responsibility that this product is in conformity with the essential requirements in CE and UKCA directives at time of sale. The full text of Manufacturers declaration of conformity is available on Micatrone´s website

### Service

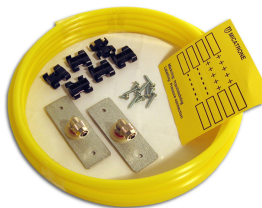
MF-P normally needs no service, but we recommend to check the zero point once a year.

## RELATED PRODUCTS:

Flow transmitter Micaflex FD:



Pressure connection kit VR-DR:



Differential pressure transmitter with display,  
Micaflex PD:



Mono block valve 2-TK/M:



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