



ADVANTAGES

- High stability and repeatability
- Compact design
- Measurement ranges configurable by jumpers

APPLICATIONS

- HVAC
- Cleanroom



TECHNICAL INFORMATION

Version	PF135 Analog 3-wire	PF120 Analog 2-wire
General		
Parameter	Differential pressure	
Housing material	ABS	
IP protection	IP65	
Mounting position	Wall mounting, any mounting position	
Dimensions	84 x 66 x 36 mm Incl. steel conduit screw fitting: 105 x 66 x 36 mm	
Weight	100g	
Display	LCD, 4 digits (optional)	
Electrical connections	Screw terminals inside, M12 cable gland	
Power supply	13...32 V	10...32 V
Range of application	-10...+50 °C / 0...90 %RH	
Storage conditions	-20...+70 °C / 0...90 %RH	
CE / EMC compatibility	EMC Directive 2014/30/EU	
Fire protection class	Corresponds to UL94-HB	
Medium		
Accuracy * at 23 °C ±3 K	±1.5 % full scale measurement range ≤ 50 Pa ±1.0 % full scale measurement range > 50 Pa	
Long-term stability	0,1 %FS/Jahr	
Pressure resistance	≤ ±100 Pa ⇒ 1 kPa ≤ ±500 Pa ⇒ 15 kPa	
Burst pressure	≤ ±100 Pa ⇒ 15 kPa ≤ ±500 Pa ⇒ 20 kPa	
Zero adjustment	By button	
Pressure connections	Tubing connector Ø 4.0 mm x 10 mm	

Version	PF135 Analog 3-wire	PF120 Analog 2-wire
Differential pressure measurement		
Measurement principle	MEMS diaphragm sensor	
Measurement ranges	-25...+25 Pa / 0...+50 Pa / -50...+50 Pa / 0...+100 Pa / 0...250 / -250...+250 Pa / 0...500 Pa / -500...+500 Pa	
Outputs		
Analog outputs	1	
Analog output type	1...10 V	4...20 mA

* The accuracy can only be guaranteed with the basic setting, not with changes made by the jumper.

Dimensions (in mm)

