



PF1



ADVANTAGES

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

APPLICATIONS

- HVAC
- Cleanroom



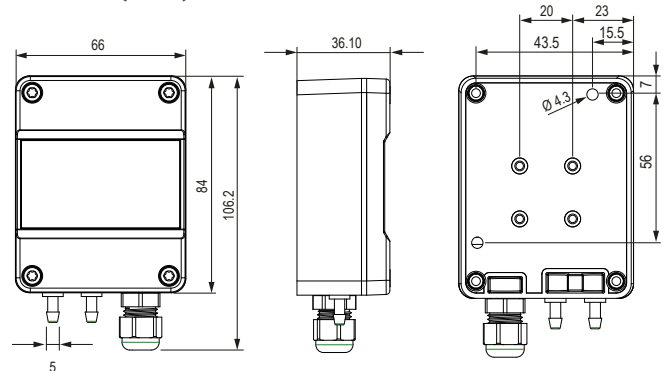
TECHNICAL INFORMATION

| 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)



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