



Features

- Relative-, differential- or absolute pressure
- Temperature display from measuring media
- 22 selectable measurement units
- Integrated memory
- USB interface (VCP)
- Average, Minimum- and Maximum value recoding
- Battery operation (Loading via USB-cable)
- Special models on request
- Remote commands to directly readout the data
- Optional Windows software

Description

The most impressive feature of the stable table top manometer TM35 in a handy and shapely case is the versatile range of application. It allows measurements in the area of relative, differential and absolute pressure. Functions such a pressure change rate, MIN/MAX and average value are available. In addition can the TM35 also be individually configured for different applications. A large, well readable graphics display, a real time clock including date, the background illumination, the data memory for 10'000 measurements... only to mention a few highlights - facilitate its use. 22 selectable measurement units complete off the specification of this precise manometer.

A variety of remote commands allow the direct readout of data via USB (VCP). A software for Windows is also available.

Technical Data

| Measuring ranges (Mb) | Resolution | Max. load capacity | Variable error limit | | Measuring media |
|----------------------------|------------|--------------------|----------------------|-----------|-----------------|
| | | | v.Mb. ± 1 digit | v.Mw. ± 1 | |
| -1 ... +1 mbar | 0,0001 | 125 mbar | 0,2% | | rG |
| -10 ... +10 mbar | 0,0001 | 125 mbar | 0,2% / (0,1%) | | rG |
| 0 ... 10 mbar | 0,001 | 125 mbar | 0,2% / 0,1% | | rG |
| 0 ... 25 mbar | 0,001 | 125 mbar | 0,2% / 0,1% / 0,05% | 0.1% | rG |
| 0 ... 70 mbar | 0,001 | 350 mbar | 0,2% / 0,1% / 0,05% | 0.1% | rG |
| 0 ... 200 mbar | 0,01 | 1500 mbar | 0,2% / 0,1% | | rG |
| 0 ... 300 mbar | 0,01 | 1500 mbar | 0,2% / 0,1% / 0,05% | 0.1% | rG |
| 0 ... 500 mbar | 0,01 | 4000 mbar | 0,2% / 0,1% | | rG / aM |
| 0 ... 1000 mbar | 0,01 | 4000 mbar | 0,2% / 0,1% / 0,05% | 0.1% | rG / aM |
| 0 ... 1100 mbar abs | 0,01 | 4000 mbar | 0,2% / 0,1% | | rG |
| 0 ... 2000 mbar abs | 0,1 | 7000 mbar | 0,2% / 0,1% / 0,05% | 0.1% | rG |

Measuring media:

rG = inert gases, instrument air

aM = all media which are compatible with stainless steel 18/8 (DIN 1.4305)

Units of measurement: (depending on range)

mbar, bar, Pa, kPa, hPa, MPa,
kg/cm², kg/m², mmHg, cmHg, mHg, inHg, mmH₂O, cmH₂O, mH₂O,
inH₂O, ftH₂O, psi, lb/in², lb/ft², torr, atm

- Temperature calibration: 0 °C... 50 °C
- Operating temperature: 0 °C... 50 °C
- Humidity: max. 95 % r.F.
- Communication: USB (Virtual COM port)
- Display rate: 2 M/s
- Power supply: 5V (via USB connection)
- Memory interval: manually, 10, 25 M/s, 1s... 24h selectable
- Pneumatic connection: hose Ø 4/6mm (other on customer request)
- Case, type of protection: IP 54
- Case dimension: 290 x 330 x 100 mm (L x B x H)
- Weight: 1250 gram