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## Features

- Over- and underpressure
- Differential pressure / absolute pressure
- Battery or power supply unit
- Integrated data memory
- RS232 Output

## Description

A convincing feature of this handheld pressure gauge is its versatility. Functions are available for leak rate, min./max. values and for storing the measured values in the display. The measured values can be stored in the integrated data memory with the datalogging function and from there, logged directly on a connected printer (without PC) via the RS232 interface. Of course a PC-software level Windows is also available. The HM28 permits measurements in over-and underpressure, differential or absolute pressure.

## Technical Data

| Measuring ranges   | Resolution | Max. loading capacity | Error limit F.S. ± 1 digit |
|--------------------|------------|-----------------------|----------------------------|
| 0... 25 mbar       | 0,001      | 125 mbar              | 0,2% / 0,1%                |
| 0... 70 mbar       | 0,01       | 350 mbar              | 0,2% / 0,1%/0,05%          |
| 0... 200 mbar      | 0,01       | 1500 mbar             | 0,2% / 0,1%                |
| 0... 300 mbar      | 0,01       | 1500 mbar             | 0,2% / 0,1%/0,05%          |
| 0... 500 mbar      | 0,1        | 4000 mbar             | 0,2% / 0,1%                |
| 0... 1000 mbar     | 0,1        | 4000 mbar             | 0,2% / 0,1%/0,05%          |
| 0... 2000 mbar     | 0,1        | 7000 mbar             | 0,2% / 0,1%/0,05%          |
| 0... 7 bar         | 0,001      | 17 bar                | 0,2% / 0,1%/0,05%          |
| 0... 10 bar        | 0,001      | 27 bar                | 0,2% / 0,1%                |
| 0... 17 bar        | 0,001      | 27 bar                | 0,2% / 0,1%/0,05%          |
| 0... 30 bar        | 0,01       | 70 bar                | 0,2% / 0,1%                |
| 0... 70 bar        | 0,01       | 140 bar               | 0,2% / 0,1%                |
| 0... 90 bar        | 0,01       | 140 bar               | 0,2% / 0,1%                |
| 0... 1100 mbar abs | 0,1        | 4000 mbar             | 0,2% / 0,1%                |
| 0... 2000 mbar abs | 0,1        | 7000 mbar             | 0,2% / 0,1%/0,05%          |
| 0... 7 bar abs     | 0,001      | 17 bar                | 0,2% / 0,1%                |

Measuring media: instrument air, inert gases.  
 -Versions media compatible: all media which are compatible with stainless steel 18/8 (DIN 1.4305).

Units of measurement: mbar, bar, kPa, hPa, MPa, mmH<sub>2</sub>O, mH<sub>2</sub>O, mmHg, psi, inH<sub>2</sub>O, inHg

- Temperature calibration: 10...35 °C
- Operating temperature: -5...+50 °C
- Operating temperature: 30 bis 95 % r.F.
- Measuring rate (RS232):
  - Category 0,2% 20 readings/second
  - Categories 0,1% / 0,05% 10 readings/second
- Current consumption: < 9 mA
- Supply: 9 V battery or power supply unit
- Memory interval: manual, 1...60 sec./min., selectable
- Pneumatic connection: tube ø 4/6 mm, NPT 1/8" female > 7 bar
- Case, type of protection: IP 54
- Case dimension: 152 x 83 x 34/29 mm
- Weight incl. battery: 270 grams