

Digital Manometer



The most impressive feature of the HM 35 / HM 35 EX manometer is the versatile range of applications. It allows measurements in the area of relative, differential or absolute pressure. The EX-version meets all requirements for applications in hazardous areas (EEx ia IIC T4). Functions such as pressure change rate, MIN/MAX and average value are available, in addition the HM 35/HM 35 EX can also be individually configured for different applications. A large, well readable graphics display, its handy size, 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. Via the infrared interface (IR), all data can be transferred directly to any PC. A communication software for Windows is also available. 22 selectable measurement units complete off the specification of this precise manometer.

Measuring ranges	Resolution	Max. load capacity	Error limit F.S. ± 1 digit	of rdg. ± 1 digit
0... 25 mbar	0,001	125 mbar	0,2% / 0,1%	
0... 70 mbar	0,001	350 mbar	0,2% / 0,1%/0,05%	0.1%
0... 200 mbar	0,01	500 mbar	0,2% / 0,1%	
0... 300 mbar	0,01	1500 mbar	0,2% / 0,1%/0,05%	0.1%
0... 500 mbar	0,01	4000 mbar	0,2% / 0,1%	
0... 1000 mbar	0,01	4000 mbar	0,2% / 0,1%/0,05%	0.1%
0... 2000 mbar	0,1	7000 mbar	0,2% / 0,1%/0,05%	0.1%
0... 7500 mbar	0,1	17 bar	0,2% / 0,1%/0,05%	0,1%
0... 10 bar	0,0001	27 bar	0,2% / 0,1%	
0... 17 bar	0,0001	27 bar	0,2% / 0,1%/0,05%	0.1%
0... 35 bar	0,001	70 bar	0,2% / 0,1%	
0... 70 bar	0,001	140 bar	0,2% / 0,1%	0.1%
0... 90 bar	0,001	140 bar	0,2% / 0,1%	0.1%
0... 1100 mbar abs	0,01	4000 mbar	0,2% / 0,1%	
0... 2000 mbar abs	0,1	7000 mbar	0,2% / 0,1%/0,05%	
0... 7500 mbar abs	0,1	17 bar	0,2% / 0,1%	

Technical data

Measuring media:	inert gases and instrument air
Media compatible rel./abs.:	all media which are compatible with stainless steel 18/8 (DIN 1.4305). Range from 1 bar to 90 bar
Units of measurement: (depending on range)	mbar, bar, Pa, hPa, kPa, MPa, kg/cm ² , kg/m ² , mmHg, cmHg, mHg, inHg, mmH ₂ O, cmH ₂ O, mH ₂ O, inH ₂ O, ftH ₂ O, psi, lb/in ² , lb/ft ² , torr, atm
Temperature calibration:	0°C... 50°C
Operating temperature:	0°C... 50°C
Humidity:	max. 95 % rH
Communication:	serial Infrared (IR) Protocol and SCPI-commands
Display rate:	2 M/s
Power supply:	3 x 1.5 V battery IEC LR6, battery life time appr. 90 h or appr. 60 h (EX-Version) or power supply unit 6 VDC Attention: EX-version no power supply connection available
Memory interval:	manual, 10, 25 M/s, 1s... 24h selectable
Pneumatic connection:	hose Ø 4/6 mm NPT 1/8" (from 10 bar),
Case, type of protection:	IP 54
Case dimension:	200 x 94/58 x 40/28 mm
Weight incl. batteries:	300 g



Please contact us for more information or for our complete documentation.

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REVUE THOMMEN AG
4437 Waldenburg
Switzerland
Telefon +41 61-965 22 22
Telefax +41 61-961 81 71

www.thommenag.ch
info@thommenag.ch