

## Digital Portable Manometer 2000

**Types 200xP: basic execution**

**Types 202xP: extended version**

**Types 208xP: with leak test and data logging functionality**

- easy operation
- great performance
- measurement of pressure, vacuum and differential pressure  
negative and positive reading
- rigid housing IP 67 (1 m depth for 30 mins)
- Pressure ranges from 1 mbar to 10 bar (0.40218 to 4021.8 inH<sub>2</sub>O)
- excellent instrument accuracy
- Optional: leak testing and data logging (types 208xP)
- Overrange protection
- Autoranging displays for precise readings
- Selectable auto switch-off



The digital portable manometer **Series 2000** are suitable for pressure/vacuum/differential pressure readings with non-corrosive and non-ionised media, e.g. air, dry gases, hydraulic fluids.

This handhelds are easy to operate, reliable and build to last, in order to meet the performance and cost demands of today's markets.



The three versions of the portable digital manometer **Series 2000**:

	Types:	200xP	202xP	208xP
Protection IP 67		✓	✓	✓
Backlight display		✓	✓	✓
Out of range indication		✓	✓	✓
Zeroing (by pressing one key)		✓	✓	✓
HOLD function (freezes value in the display)		✓	✓	✓
Switchable pressure units		-	✓	✓
Range lock		-	✓	✓
Max / Min		-	✓	✓
Averaging		-	-	✓
Leak testing		-	-	✓
Data logging		-	-	✓
Number of keys on the keypad:		4	8	14

### Technical Data:

Pressure ports:	for tube 4 mm inner diam. / 6 mm outer diam.; two ports (absolute pressure types: one port)
Operating temperature:	0°C ... +50°C
Battery type:	2 x size AA 1.5 V (not supplied)
Battery life:	typical 200 hours, Low Battery Check with symbol on display
Display:	custom LCD 12.7 mm (0.5")
Auto switch-off time	12 minutes
Dimensions:	155 x 67 x 40 mm / 6.1" x 2.6" x 1.6")
Weight:	180 g / 4 oz
Accuracy:	0.15% rdg. +0.15% fs + 1 digit 0.3% rdg. +0.3% fs +1 digit (-Ve Pressures) (rdg. = of reading value / fs = of full scale value)

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### Pressure Ranges:

All instruments (except absolute pressure types) measure pressure, vacuum and differential pressure (negative and positive reading).

Order-Code:			Range:	Overrange:
Basic	Extended	Logging Leaktest		
2000P	2020P	2080P	25 mbar	350 mbar
2001P	2021P	2081P	130 mbar	750 mbar
2007P	2027P	2087P	500 mbar	1 bar
2008P	2028P	2088P	1 bar	2 bar
2002P	2022P	2082P	2 bar	4 bar
2003P	2023P	2083P	7 bar	10 bar
-	2026P	2086P	10 bar	21 bar
2005P	2025P	2085P	2 bar absolute	4 bar absolute



### Pressure Scale (Units, Resolution, Scale):

Order-Code	2000P	2001P	2007P	2008P	2002P	2003P	
[mbar]	0-1999µbar + 0.00-25.00	0.00-19.99 + 0.0-130.0	0.0-199.9 + 0-500	0.0-199.9 + 0-1000	0.0-199.9 + 0-1999	0.0-199.9 + 0.00-7.00 bar	
Order-Code	2020P 2080P	2021P 2081P	2027P 2087P	2028P 2088P	2022P 2082P	2023P 2083P	2026P 2086P
[mbar]	0-1999µbar + 0.00-25.00	0.00-19.99 + 0.0-130.0	0.0-199.9 + 0-500	0.0-199.9 + 0-1000	0.0-199.9 + 0-1999	0.0-199.9 + 0.00-7.00bar	0-1999 + 0.00-10.00bar
[Pa]	0.0-199.9 + 0-2500	0.00-13.00kPa	0.00-19.9kPa + 0.0-50.0kPa	0.00-19.99kPa + 0.0-50.0kPa	0.00-19.99kPa + 0.0-199.9kPa	0.0-199.9kPa + 0-700kPa	0.0-199.9kPa + 0-1000kPa
[in H <sub>2</sub> O]	0.00-10.05	0.00-52.28	0.0-199.9 + 0-201	0.0-199.9 + 0-402	0.0-199.9 + 0-804	0.0-199.9 + 0-2815	0.0-199.9 + 0-4022
[m H <sub>2</sub> O]	0.00-19.99mm + 0.0-255.3mm	0.0-199.9mm + 0-1320mm	0.00-5.11	0.00-10.22	0.00-20.43	0.00-19.99 + 0.0-71.5	0.00-19.99 + 0.0-102.2
[in Hg]	0.00-0.73	0.00-3.83	0.00-14.75	0.00-29.5	0.00-59.00	0.00-19.99 + 0.0-206.7	0.00-19.99 + 0.0-295.3
[m Hg]	0.00-18.75mm	0.00-19.99mm + 0.0-97.5mm	0.00-19.99cm + 0.0-37.5cm	0.00-19.99cm + 0.0-75.0cm	0.00-19.99cm + 0.0-150.0cm	0.00-5.25	0.00-7.50
[psi]	0.00-0.36	0.00-1.88	0.00-7.25	0.00-14.50	0.00-29.00	0.00-19.99 + 0.0-101.5	0.00-19.99 + 0.0-145.0

Types 2005P, 2025Paund 2085P (2 bar absolute): units, resolution and scale as types 2002P, 2022P resp. 2082P

### Optional Accessories:

- strong carrying case type 2950, with foams
- hydrophobe filter
- calibration testpump types 2911/2941 or LPP 30