

### TECHNICAL DATA



### Features

- Measures gauge and differential pressure up to 5psi
- 11 selectable units of measure: psi, inH<sub>2</sub>O, bar, mbar, kPa, inHg, mmHg, ozin<sup>2</sup>, ftH<sub>2</sub>O, cmH<sub>2</sub>O, kgcm<sup>2</sup>
- Max, Min, Avg, Relative and Data hold functions
- Integrated real-time clock time-stamps measurements
- Large, easy-to-read backlit LCD display
- Zero button for offset correction or measurement
- USB interface and software included
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes 4 connection hoses, USB cable, power adapter, software, battery, and hard carrying case

### Specifications

#### Pressure

Measuring Ranges:	5.000 psi; 138.3 inH <sub>2</sub> O; 344.7 mbar; 34.47 kPa; 10.18 inHg; 258.5 mmHg; 0.00 ozin <sup>2</sup> ; 11.53 ftH <sub>2</sub> O; 351.5 cmH <sub>2</sub> O; 0.351 kgcm <sup>2</sup> ; 0.344 bar
Accuracy:	±0.3% FS
Resolution:	0.1 inH <sub>2</sub> O / mbar / mmHg / cmH <sub>2</sub> O 0.01 kPa / ozin <sup>2</sup> / ftH <sub>2</sub> O 0.001 inHg / kgcm <sup>2</sup> / bar / psi
Repeatability:	±0.2% FS
Linearity/Hysteresis:	±0.29% FS
Max Pressure:	20 psi

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#### General Specifications

Display:	4-digit, LCD Display
Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes
Max:	Yes
Average:	Yes
Differential Pressure:	Yes
Zero Function:	Yes
Over range Indicator:	Yes
Under range Indicator:	Yes
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Response Time:	2 times/second
Internal Memory:	Yes
Auto Shut-off:	Yes (after 20 minutes)
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	9V battery
PC Connectivity:	USB Cable (Included)
Software:	Yes (included)
Software OS Compatibility:	Windows XP, 7, 8, 10, 11
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity:	10 to 80%
Dimensions:	8.2 x 2.9 x 1.9" (210 x 75 x 50mm)
Weight:	9.8oz (280g)



Model	Description
R3002	Digital Manometer
R1500	Lightweight Tripod
R8888	Hard Carrying Case
R3002-NIST	Digital Manometer & NIST