

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



*Continued...*

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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<br>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 or<br>AC-Power Supply      |
| PC Connectivity:                   | USB Cable (Included)                  |
| Software:                          | Yes (included)                        |
| Software OS Compatibility:         | Windows XP, 7, 8, 10, 11<br>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"<br>(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 |