



### TECHNICAL DATA

#### Specifications

##### Pressure

Measuring Ranges: 100.0 psi; 2768 inH<sub>2</sub>O;  
6895 mbar; 689.5kPa;  
203.6 inHg; 5171 mmHg;  
1600 ozin<sup>2</sup>; 230.7 ftH<sub>2</sub>O;  
7004 cmH<sub>2</sub>O; 7.031 kgcm<sup>2</sup>;  
6.895 bar

Accuracy: ±0.3% FS

Resolution: 0.1 psi; 2 inH<sub>2</sub>O;  
4 mbar / cmH<sub>2</sub>O; 0.4 kPa;  
0.2 inHg; 3 mmHg;  
1 ozin<sup>2</sup>; 0.2 ftH<sub>2</sub>O;  
0.004 kg/cm<sup>2</sup> / bar

Repeatability: ±0.2% FS

Linearity/Hysteresis: ±0.29% FS

Max Pressure: 150 psi

##### General Specifications

Display: 4-digit, Dual LCD Display

Backlit Display: Yes

Data Hold: Yes

Min: Yes

Max: Yes

Differential Pressure: Yes

Response Time: 2 times/sec.

Internal Memory: Yes

Auto Shut-off: Yes (after 20 mins/off)

Low Battery Indicator: Yes

Power Supply: 9V battery

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: 10-80%

Dimensions: 7.2 x 2.8 x 1.2"  
(182 x 72 x 30mm)

Weight: 7.8 oz (220g)

#### Features

- Measures gauge and differential pressure up to 100psi
- 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>
- Displays pressure and real-time clock simultaneously
- Large, easy-to-read backlit LCD display
- Internal memory saves Max and Min measurements
- Data hold function
- Low battery indicator and auto shut off
- Includes 2 connection hoses, battery, and hard carrying case

Model	Description
R3100	Digital Manometer, ±100psi
CA-05A	Soft Carrying Case
R3100-NIST	Digital Manometer, ±100psi & NIST