



TECHNICAL DATA

Specifications

Pressure

Measuring Ranges:

100.0 psi; 2768 inH₂O;
6895 mbar; 689.5kPa;
203.6 inHg; 5171 mmHg;
1600 ozin²; 230.7 ftH₂O;
7004 cmH₂O; 7.031 kgcm²;
6.895 bar

Accuracy:

±0.3% FS

Resolution:

0.1 psi; 2 inH₂O;
4 mbar / cmH₂O; 0.4 kPa;
0.2 inHg; 3 mmHg;
1 ozin²; 0.2 ftH₂O;
0.004 kg/cm² / 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, inH₂O, bar, mbar, kPa, inHg, mmHg, ozin², ftH₂O, cmH₂O, kgcm²
- 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