

REED

Model R3030/R3100

Digital Manometer

Instruction
Manual



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Features

-  Portable, battery-operated pressure measuring device
-  Measures gauge pressure (a measure of pressure in psi that is reference to ambient pressure) and differential pressure (a measure of the difference between two pressures)
-  11 selectable pressure units: bar, mmHg, ozin², kgcm², psi, inH₂O, kPa, ftH₂O, inHg, cmH₂O, mbar
-  Primary LCD readout displays currrent pressure reading while secondary readout displays real time clock
-  Not suitable for absolute pressure measurement

Specifications

Range: R3030: 0~30 psi; 830 inH₂O; 2068 mbar; 2.10 kg/cm²
R3100: 0~100 psi; 2768 inH₂O; 6895 mbar; 7.03 kg/cm²
Accuracy: 0.3% of full scale at 25°C
Resolution:

Unit	Range	Model R3030	Model R3100
psi	1.000000	0.02	0.1
inH ₂ O	27.680517	0.5	2
bar	0.068948	0.002	0.004
mbar	68.948253	2	4
mmHg	51.712016	1	3
ozin ²	16.000844	0.3	1
kg/cm ²	0.070309	0.002	0.004
kPa	6.894859	0.2	0.4
ftH ₂ O	2.306719	0.04	0.2
cmH ₂ O	70.309000	2	4

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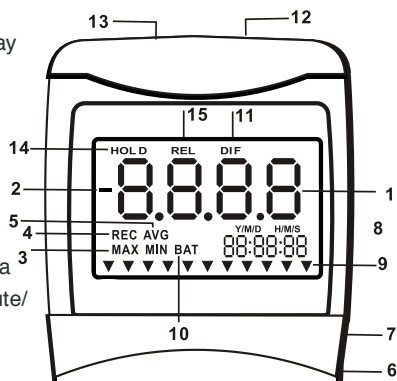
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Response Time: 0.5 seconds
 Format: Baud Rate: 2400 bit/sec; Data Bit: 8, Stop Bit: 1
 Compensated Temp.
 Range: 0~50°C
 Operating Temperature: 0~50°C
 Operating Humidity: ≤80% RH
 Storage Temperature: -20~55°C
 Power Supply: Single 9V battery
 Dimensions: 72 x 182 x 30 mm
 Weight: Approx. 220 g (with battery)
 Includes: 2 x connection hose (4mm x 6mm (ID x OD)),
 battery, hard carrying case, and user manual

Instrument Controls & Indicators

1. LCD screen displays pressure value
2. “-” Negative pressure display
3. MAX/MIN pressure
4. REC internal recording mode displays max./min. pressure*
5. DC power input jack
6. Y/M/D H/M/S Real-time clock 88:88:88 displays data Year/Month/Day, Hour/Minute/Second
7. ▼ Pressure unit indication
8. BAT Low battery indicator
9. DIF Differential pressure mode



continued ...

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