DM 9600 ENGINE

PRECISION MULTIFUNCTION MANOMETER FOR ENGINE TESTING





USB · SD · IR · AUX · MRU 4U · Pa · hPa · mbar · bar · PSI · "H2O · cm H2O · "Hg · mm Hg · m/s feet/s · cfm · ΔP · °F · Δ°F

- Engine inlet pressure
- Boost pressure
- Inter-cooler differential pressure
- Oil & water pressures
- Temperature measurements
- Gas leak detector in the inlet area

MRU since 1984 ®
AIR fair
EMISSION MONITORING SYSTEMS

Over 30 years of innovative gas analysis!

DM 9600

MRU DM 9600 Precision Manometer
FOR ENGINE TESTING

KEY FEATURES

- >> **Large 2.8” Color, touch screen**
- >> **AUX input for Leak detection or external pressure probes**
- >> **Automatic zeroing for long-term stability**
- >> **Two (2) K type thermocouple sockets**
- >> **Simultaneous display of pressure and temperature readings**
- >> **1,000 points and 500 sites data memory**
- >> **Micro SD card slot**
- >> **USB charging and data download**
- >> **Hands free operation via magnetic back case**
- >> **20-hour Lithium battery**

Technical Data

Parameter	Range	Accuracy	Range	Accuracy
Engine inlet pressure	100 … 200 mbar	± 1 mbar or 1 % reading	40 to 80 inH2O	± 0.4 inH2O or 1 % reading
Boost pressure	1 … 4 bar	± 1 mbar or 1 % reading	14.5 to 58 psi	± 0.4 inH2O or 1 % reading
Intercooler differential pressure	200 … 500 mbar	± 1 mbar or 1 % reading	80 to 200 inH2O	± 0.4 inH2O or 1 % reading
Exhaust back pressure	20 … 200 mbar	± 1 mbar or 1 % reading	8 to 80 inH2O	± 0.4 inH2O or 1 % reading
Carter pressure	0 … 200 mbar	± 1 mbar or 1 % reading	0 to 80 inH2O	± 0.4 inH2O or 1 % reading
Internal pressure (ext. transmitter)	1 … 9 bar	± 20 mbar or 1 % reading	14.5 to 130 psi	± 8 inH2O or 1 % reading
Temperature	0 … 1,000 °C	± 1 °C or 1 % reading	32°F to 1830°F	± 2 °F or 1 % reading
Gas leackage	5 … 20,000 ppm	NA	5 … 20,000 ppm	NA
Temperature variation	0 … 50°C	± 0.5%	32°F to 122°F	± 0.5%

General technical data:

Measuring units	Pressure (inH2O, Pa, hPa, mbar, bar, psi, mm Hg); Temp: C/F; Flow: fpm, m/s, CFM, m3/sec; HC: ppm to %LEL
Interfaces	Mini-USB, Micro-SD, Bluetooth (option)
Rechargeable Battery	Lithium-Ion
Dimensions	(W x H x D) 3.23" x 6.65" x 1.42" (82 x 169 x 36 mm)
Weight	approx. 14 ounces (400g)

Data subject to change without notice

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