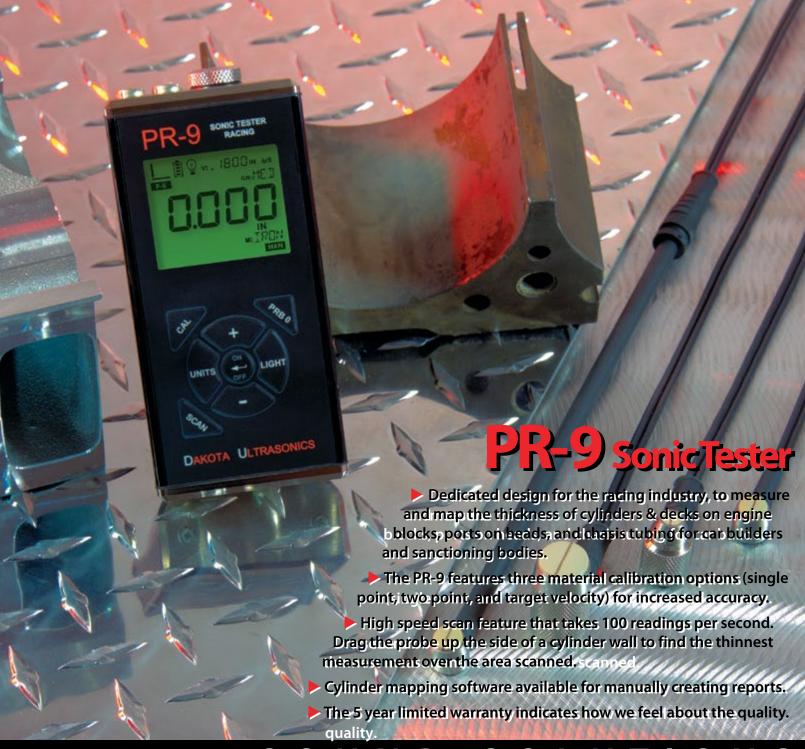


DAKOTA ULTRASONICS



SOUND SOLUTIONS





THE PR-9 SONIC TESTER

A partial list of common racing probes:

Chassis Tubing, Roll Cages
Cast Iron Cylinder Heads
Aluminum Cylinder Heads
Cast Iron/Alum Cylinder Blocks
Cast Aluminum Cylinder Blocks

Common automotive applications:

CylindersHead PortsRoll CagesChassis TubingBody PanelsWindshields

SPECIFICATIONS

Physical

Weight:

11 ounces (with batteries).

Size

Width (2.5 in / 63.5 mm) Height (5.17 in / 131.3 mm) Depth (1.24 in / 31.5 mm)

Operating Temperature:

-22 to 167F (-30 to 75C).

Case:

Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed).

Keypad

Sealed membrane that is resistant to both water and petroleum products.

Nine tactile-feedback keys.

Transducer

Dual-element (transmit and receive).

 $1\ to\ 10\ MHz$ frequency range.

Locking quick disconnect LEMO connectors.

4 foot cable.

Custom transducers available for special applications.

Power Source

Two 1.5V alkaline, 1.2V NiCad, or 1.5V Lithium AA cells.

Typically operates for 45 hours on alkaline and 23 hours on NiCad.

Low battery indicator on display. Auto shut-off after 5 minutes of inactivity.

Display

Multi-function 7 segment 4.5 digit liquid crystal display with 0.500 in digit height. Two 0.125 in14 segment fields for labels and values, and one 7 segment field for labels and values. Additional icons to indicate features and modes.

Backlight is selectable on/off/auto, and selectable brightness (Lo, Med, Hi) options.

Bar graph indicates repeatability of measurement.

Certification

Factory calibration traceable to NIST & MIL-STD-45662A.

Warranty

5 year limited.

Measuring

Range:

Measures from 0.025 to 36.00 inches (0.63 to 914.4 millimeters). Range dependent on material and transducer type.

Automotive Applications:

0.050 to 1.500 inches in casted materials.

Units:

English & Metric

Resolution:

0.001 inches (0.01 millimeters)

Velocity Range:

0.0120 to .7300 in/µs (305 to 18,542 m/sec)

PRF: 200Hz

Display Update Rate: 10Hz

High Speed Scan:

Display the lowest measurement found during a scan. Scan speed at 100Hz.

One or Two point calibration option.



^{*} Only required for noisy materials