

PR-8V SPECIFICATIONS

Physical

Size:

Width (2.5in/63.5 mm) Height (6.5 in/165 mm) Depth (1.24 in/31.5 mm)

Weight:

13.5 ounces (with batteries).

Keyboard:

Membrane switch pad with twelve tactile keys.

Operating Temperature:

14 to 140F (-10C to 60C)

Case:

Extruded aluminum body with nickelplated aluminum end caps (gasket sealed).

Data Output:

Bi-directional RS232 serial port. Windows® PC interface software.

Display(Two Options): 1/8in VGA gray-scale display (240 x 160 pixels). Viewable area 2.4 x 1.8in (62 x 45.7mm). EL backlit (on/off/auto). 25 Hz screen refresh rate.

Ultrasonic Specifications

Measurement Modes:

Pulse-Echo - (flaws, pits, corrosion).

Echo-Echo - (thru-paint - chassis).

Pulser:

Square wave pulser.

Receiver:

Selectable low, medium, or high gain in Pulse-Echo mode or AGC gain control in Echo-Echo mode.

Timina:

20 MHz ultra low power 10 bit digitizer.

Warranty

2 year limited.

Certification

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

Power Source

Three 1.5V alkaline or 1.2V NiCad AA cells.

Typically operates for 35 hours on alkaline and 10 hours on NiCad (charger not included).

Auto power off if idle 5 minutes.

Battery status icon.

Measuring

Range:

Pulse-Echo Mode:

Standard operating mode for engines and automotive parts without painted surfaces (pits or flaws detection). Measures 0.025in. to 9.999in. (0.63mm to 254mm).

Echo-Echo Mode:

Thru-paint & coating—chassis and general body inspections. Measures from 0.050in. to 4in. (1.27mm to 102mm).

Resolution:

+/-.001 in. (0.01 mm).

Velocity Range:

.0492 to .3936 inches/μs. 1250 to 9999 meters/sec.

One and Two Point calibration option, or selection of basic material types.

Units:

English & Metric

Display

Display Views:

Large Digits - Standard thickness view. Digit Height: 0.400 inch (10mm).

B-Scan - Time based cross section view. Display speed of 15 secs per screen.

Scan Bar Thickness - 6 readings per second; Viewable in B-Scan and Large Digit views.

Repeatability Bar Graph - Bar graph indicates stability of reading.

Connections

Output: RS232 serial interface. PC software & USB converter cable included.

Transducer Connectors: Two LEMO 00 connectors.

Memory

12,000 readings and waveforms (alpha numeric storage).

OBSTRUCT to indicate inaccessible locations.

Memory:

16 megabit non-volatile ram.

Transducer

Transducer Types:

Dual Element (1 to 10 MHz).

Locking quick disconnect "00" LEMO connector.

Standard 4 foot cable.

Custom transducers and cable lengths available.

Features

Setups:

64 custom user-defined setups. Factory setups available for common applications.

Selectable Transducers:

Selectable transducer types with built-in dual-path error correction for improved linearity.

Alarm Mode:

Set Hi and Lo tolerances with audible beeper and visual LEDs.

Fast Scan Mode:

Takes 32 readings per second and displays the minimum reading found when the transducer is removed. Display continuously updates while scanning.



B-SCA	i N	0.5	00 IN	
1.00				
SCAN E	BAR			
		I		
	6 0.39	0.61	0.83	
NIEM:	BSCAN	SCAN:	ON	
B-ST:	0.00	B-DEP:	1.00	
MODE:	P-E	GAIN:	MED	
CYL#:	2	CLK#:	1	
FILE:B	FILE:BLK# 2KLM-1022			

Digits View

B-Scan View

(E approved

MADE IN THE USA

Distributed by:



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