



SPECIFICATIONS

PHYSICAL

Weight: 13.5 ounces (with batteries).
 Size: 2.5 W x 6.5 H x 1.24 D inches (63.5 W x 165 H x 31.5 D mm).
 Operating Temperature: -14° to 140°F (-10° to 60°C).
 Keyboard: Membrane switch with twelve tactile keys.
 Case: Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed).
 Data Output: Bi-directional RS232 serial port. Windows® PC interface software.
 Display: 1/8 in. VGA grayscale display (240 x 160 pixels). Viewable area 2.4 x 1.8 in. (62 x 45.7mm).
 EL backlit (on/off/auto).

ULTRASONIC SPECIFICATIONS

Measurement Modes: Pulse-Echo (flaws, pits)
 Echo-Echo (thru-paint)
 Pulser: Square wave pulser with adjustable pulse width (spike, thin, wide).
 Receiver: Manual or AGC gain control with 40dB range, depending

MEASURING

Range: Pulse-Echo Mode: (Pit&Flaw Detection) measures from 0.025 9.999 inches (0.63 to 254 millimeters).
 Echo-Echo Mode: Thru Paint & Coatings) measures from 0.1 to 4.0 inches (2.54 to 102 millimeters).
 Range will vary +/- depending on the thickness of coating.
 Resolution: +/- .001 inches (0.01 mm)
 Velocity Range: .0492 to .3936 in./ms 1250 to 9999 meters/sec
 Single and Two point calibration option, or selection of basic material types.
 Units: English & Metric

DISPLAY

Display Views: A-Scan Rectified +/- (flaw view) RF (full waveform view)
 B-Scan Cross sectional view.
 Display speed of 15 secs per screen.
 Large Digits Standard thickness

TRANSDUCER

Transducer Types: Dual Element (1 to 10 MHz).
 Locking quick disconnect "00" LEMO connectors.
 Standard 4 foot cable.
 Custom transducers and cable lengths available for special applications.

FEATURES

Setups: 64 custom user-definable setups.
 Factory setups can also be edited by the user.
 Gates: Single gate in pulse-echo mode, or single gate with holdoff in echo-echo mode. Adjustable threshold.
 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.
 Flaw Mode: Basic Prove-up flaw detection option using single element

<p>on mode selected. Timing: 20 MHz with ultra low power 8 bit digitizer.</p> <p>POWER SOURCE Three 1.5V alkaline or 1.2V NiCad AA cells. Typically operates for 150 hours on alkaline and 100 hours on NiCad (charger not included.) Auto power off if idle 5 min. Battery status icon.</p>	<p>view. Digit Height: 0.400 in (10mm). Scan Bar 6 readings per second. Viewable in B-Scan and Large Digit views. Repeatability Bar Graph Bar graph indicates stability of reading.</p> <p>DATA LOGGER (INTERNAL) 12,000 pages of memory (alpha numeric storage). Page contents: 1 reading and 1 waveform per page. OBSTRUCT to indicate inaccessible locations. Memory: 16 megabit non-volatile ram.</p>	<p>angle beam transducers.</p> <p>CERTIFICATION Factory calibration: traceable to national standards.</p>
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