



ULTRASONIC A-SCAN/B-SCAN THICKNESS GAUGE

SONOWALL 70

FOR NON-DESTRUCTIVE TESTING

MADE IN GERMANY

SONOTEC 

FOR A WIDE RANGE OF APPLICATIONS AND ENVIRONMENTS

The new thickness gauge SONOWALL 70 is perfectly suited for various ultrasonic thickness applications.

- ✓ Precision measurement
- ✓ Corrosion testing
- ✓ Through-coat measurement

The robust aluminium casing, its compact size, the high-resolution anti-glare 5" graphic-display and IP 67 makes the SONOWALL 70 the perfect partner for every environment.



HIGH PERFORMANCE A-SCAN/B-SCAN THICKNESS GAUGE

- ✓ Ergonomic design for easy operation and flip screen
- ✓ Small size and lightweight design with only 990 g, but robust construction
- ✓ Aluminum casing and IP 67
- ✓ Simple operation due to clearly structured menu, intuitive usability and full text menu
- ✓ Compatible with dual and single element transducers

- ✓ Intelligent probe identification via RFID
- ✓ Integrated data logger
- ✓ Multiple measurement modes: thickness, A- and B-scan
- ✓ Multi-layer measurement
- ✓ Upgradeable to full option flaw detector
- ✓ Fast data transfer via microSD and miniUSB

TECHNICAL DATA

Standards	DIN EN 15317, DIN EN 61326, ASTM E 1324, ASTM E 317
Operating temperature	-20 to +60 °C
Screen	5" TFT Screen, 800 x 480 pixels, 60 Hz
Measurement methods	Single-Echo, Echo-Echo, Multi-Echo
Transmitter: Frequency	0.5 to 10 MHz (up to 30 MHz optional)
Pulse	Negative rectangle (single pulse)
Pulse width	20 to 500 ns, in steps of 5 ns
Amplitude	0 to 400 V, in steps of 10 V
Output impedance	50 Ohm, 400 Ohm

Receiver: Dynamic range	110 dB
Amplifier bandwidth	0.2 to 25 MHz
Input impedance	500 Ohm (in T/R-mode)
Measurement range	Up to 10 000 mm
Probe connectors	2x LEMO (IP 67 compliant)
Software options	- V/W error correction - Floating gates - Subsequent measurement of frozen A-scan - High penetration option - Backwall echo attenuation via extra gate - Time encoded B-scan option

SONOTEC preserves the right to change technical specifications without further notice. (Rev. 1/2016-10-21)

SERVICE & SUPPORT

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Certified according to ISO 9001