



ULTRASONIC WALL THICKNESS GAUGE

SONOWALL 50

FOR NON-DESTRUCTIVE TESTING

MADE IN GERMANY

SONOTEC 

ADVANTAGES AT A GLANCE



- High Measurement Accuracy
- Stable Data Read Out
- Integrated Data Logger
- Robust Aluminum Housing
- Functional and Intuitive Design



ULTRASONIC WALL THICKNESS MEASUREMENT

The compact and lightweight ultrasonic testing gauge SONOWALL 50 is designed for highly accurate wall thickness measurement of metals, glass, ceramics and plastics. The powerful device is able to test objects with flat as well as with curved surfaces. In addition, the wall thickness gauge is perfectly suited to quickly detect signs of wear such as abrasion or corrosion which are commonly found at ships, storage tanks, pipelines or cranes. The SONOWALL 50 features

a highly accurate data read out and a large measurement range. An integrated data logger and its user friendly operation make the device ready for a wide variety of applications. The included software is a convenient tool to store and evaluate the measurements. Due to the use of only high quality components such as an aluminum housing the SONOWALL 50 is an extremely durable device made for the toughest testing environments.



TECHNICAL DATA

Application	Measuring device for wall thickness measurement (S/R-principle)	Test block	Stainless steel (9 mm), integrated in housing
Measuring range	0.8 - 400 mm steel (dependent on probe type)	Connections	USB port for data logger, double Lemo 00 for probes
Sound velocity range	1 000 - 10 000 m/s	Power supply	2 x LR6 I AA - primary cell
Probe frequency	2 MHz, 5 MHz, special probe for pipes with small diameters (5 MHz), others on request	Operating time	40 hours (backlight off)
Measurement Resolution	0.01 mm (0.001 inch)	Data logger	max. 10 000 readings
Working temperature	-10 °C ... 50 °C	Dimensions: L x W x H	128 x 80 x 28 mm
Storage temperature	-20 °C ... 10 °C	Weight	260 g
Display	Illuminated display (128 x 64 pixels)	Protection class	Device: IP65, probe: IP67
		Software	For a convenient evaluation of the measurements

SONOTEC preserves the right to change technical specifications without further notice. (Rev. 2/ 2015-04-30)

SERVICE & SUPPORT

SONOTEC Ultraschallsensorik Halle GmbH
Nauendorfer Str. 2
06112 Halle (Saale)
Germany

phone +49 (0)345 / 133 17-0
fax +49 (0)345 / 133 17-99
e-mail sonotec@sonotec.de
web www.sonotec.eu

SONOTEC 

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