



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

<b>Application</b>	Measuring device for wall thickness measurement (S/R-principle)
<b>Measuring range</b>	0.8 - 400 mm steel (dependent on probe type)
<b>Sound velocity range</b>	1 000 - 10 000 m/s
<b>Probe frequency</b>	2 MHz, 5 MHz, special probe for pipes with small diameters (5 MHz), others on request
<b>Measurement Resolution</b>	0.01 mm (0.001 inch)
<b>Working temperature</b>	-10 °C ... 50 °C
<b>Storage temperature</b>	-20 °C ... 10 °C
<b>Display</b>	Illuminated display (128 x 64 pixels)

<b>Test block</b>	Stainless steel (9 mm), integrated in housing
<b>Connections</b>	USB port for data logger, double Lemo 00 for probes
<b>Power supply</b>	2 x LR6 I AA - primary cell
<b>Operating time</b>	40 hours (backlight off)
<b>Data logger</b>	max. 10 000 readings
<b>Dimensions: L x W x H</b>	128 x 80 x 28 mm
<b>Weight</b>	260 g
<b>Protection class</b>	Device: IP65, probe: IP67
<b>Software</b>	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

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