



Ultrasonic Thickness Gauge

SONOWALL® 50

Entry-Level Gauge for Ultrasonic Testing

MADE IN GERMANY

Non-Destructive Testing

Ultrasonic Wall Thickness Measurement

Inspection of Flat and Curved Surfaces

The compact and lightweight SONOWALL 50 entry-level ultrasonic testing gauge is used for high-precision wall thickness measurement, e.g. of components made of metal, glass, ceramics and plastics.

The powerful device is able to test objects with flat as well as curved surfaces. Additionally, the wall thickness gauge is perfectly suited to quickly detect signs of wear such as abrasion or corrosion which are commonly detectable e.g. at ships, storage tanks, pipelines or cranes and many other components.

Plug and Play Solution

The SONOWALL 50 features a highly accurate data read out and a large measurement range. The integrated data logger and its user-friendly operation make the device ready for a wide variety of applications. The included PC software is a convenient tool to store and evaluate the measurement.

Dual-Function Probe:
Quickly change between curved and flat top surface.



Integrated Test Block

For fast zeroing of ultrasonic probes



SW5-22 Ultrasonic Probe

Including simple coupling mechanism for pipes

Technical Data	
Application	Wall thickness measurements with T/R-principle
Measurement Range	0.8 mm ... 400 mm in steel (depending on type of ultrasonic probe)
Sound Velocity	1000 m/s ... 10 000 m/s
Ultrasonic Probes	SW5-21 (0.6 mm ... 250 mm in steel) SW5-22 (0.6 mm ... 250 mm in steel) SW2-21 (6 mm ... 400 mm in steel) SW2-23 for thick plastics and composites (Measuring range depending on material)
Resolution	0.01 mm (0.001")
Ambient Temperature	-10 °C ... +50 °C
Storage Temperature	-20 °C ... +50 °C
Display	Illuminated display (128 px × 64 px)
Test Block	Stainless steel (9 mm), integrated
Connections	USB for data logger, 2 × LEMO 00 for probes
Power Supply	2 × AA (replaceable)
Operating Time	Max. 40 h (without background light)
Data Logger	Max. 10 000 readings
Dimensions (L x W x H)	128 mm × 80 mm × 28 mm
Weight	260 g
Protection Class	Gauge: IP65, Probe: IP67
Software	For convenient evaluation of the measurement results on the PC



Contact and Support

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Certified according to ISO 9001

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