

ULTRASONIC FLAW DETECTOR

Highest performance
at demanding
inspection
environments



SONOSCREEN A1000

SONOTEC 

*compact
fast
precise*

SONOSCREEN A1000

ULTRASONIC FLAW DETECTOR

The latest ultrasonic flaw detector SONOSCREEN A1000 reflects highest performance in ultrasonic testing at an attractive price.

The SONOSCREEN A1000 has been developed for demanding inspection environments. Special device characteristics are the compact construction, the ergonomic design as well as a large and bright colour display.

The easy menu structure guarantees quick and precise measurements. Interpretations with DAC/TVG and DGS/AVG (optional) diagrams as well as software updates can be carried out via a USB interface.

Applications

The SONOSCREEN A1000 can be used for various fields of application, such as in the power generation sector, automotive industry, plastics processing as well as the oil and gas industry. Main examples of use are weld inspection, rail testing as well as the inspection of composite materials.

Advantages

- Eight different filter functions
- Large colour display with high resolution and brightness adjustment guaranteeing excellent visibility in any lighting condition
- Burst stimulation for sound absorbing material
- Averaging feasible
- Adjustable ultrasonic transmitter (spike /square pulse, burst)



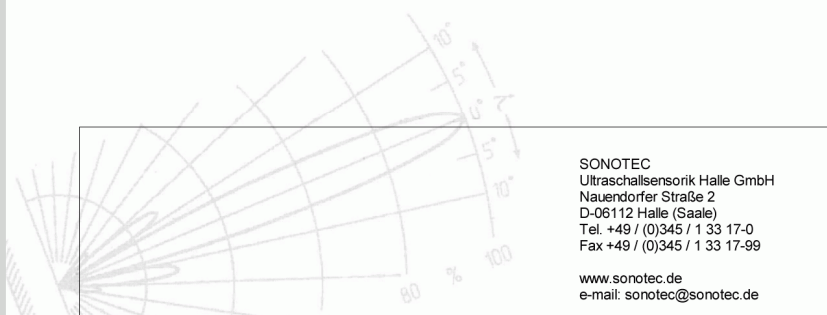
Technical data

Sound velocities	100 ... 15 240 m/s
Measuring range	1 ... 15 000 mm
(Real) sampling rate	200 MHz, 12 Bit (fastness measurement feasible)
Angle setting	Fixed settings: 0°, 30°, 45°, 60°, 70° Variable settings: 10° to 90° in steps of 0.1°
Units	Metric, English, microseconds
Battery	Rechargeable Lilon battery pack rated at 3.6 V at 16 ampere hours
Display	Colour-TFT (1024 x 768 Pixel, 99 x 130 mm)
Connections	USB/RS232/Ethernet Optional: Wireless Ethernet/Bluetooth
Dimensions	224 x 188 x 37 mm
Weight	0.7 kg plus 0.54 kg for batteries
Operating temperature	-10 °C ... +50 °C
Storage temperature	-40 °C ... +70 °C
Operating methods	Pulse echo, dual, sound transmission
Languages	English, German, Spanish, Czech, Russian (further languages configurable)
Scope of delivery	Flaw detector, mini charger, rechargeable Lilon battery, metallic transport case, carrying strap, calibration certificate, USB cable, USB stick (firmware), transducer cable for probes

SONOTEC preserves the right to change technical specifications without further notice.
(Vers. 02/2012-01-20)

SONOTEC 

Certified to DIN EN ISO 9001



SONOTEC
Ultraschallsensorik Halle GmbH
Nauendorfer Straße 2
D-06112 Halle (Saale)
Tel. +49 / (0)345 / 1 33 17-0
Fax +49 / (0)345 / 1 33 17-99

www.sonotec.de
e-mail: sonotec@sonotec.de