



## REPRESENTACIONES INDUSTRIALES C Y M SAC

- Comercialización de Equipos y Accesorios NDT
- Comercialización de Productos para Seguridad Industrial
- Comercialización de Equipos y Productos a nivel Industrial

### Sonoscreen ST 10 - Ultrasonido Detector de Fallas



**Co-developed by experienced material testers**, the compact ultrasonic flaw detector for non-destructive testing unites high performance requirements with consistent user orientation. A clear menu structure guides the tester quickly through all necessary pre-test settings. All menu items are displayed in plain English and an overview of all probe settings contributes to increase the efficiency.

The SONOSCREEN ST10 can be used for all conventional ultrasonic tests such as weld inspections, wall thickness measurements and the detection of discontinuities, which includes invisible cracks, inclusions, voids and other discontinuities in metals, plastics, ceramics and composites.

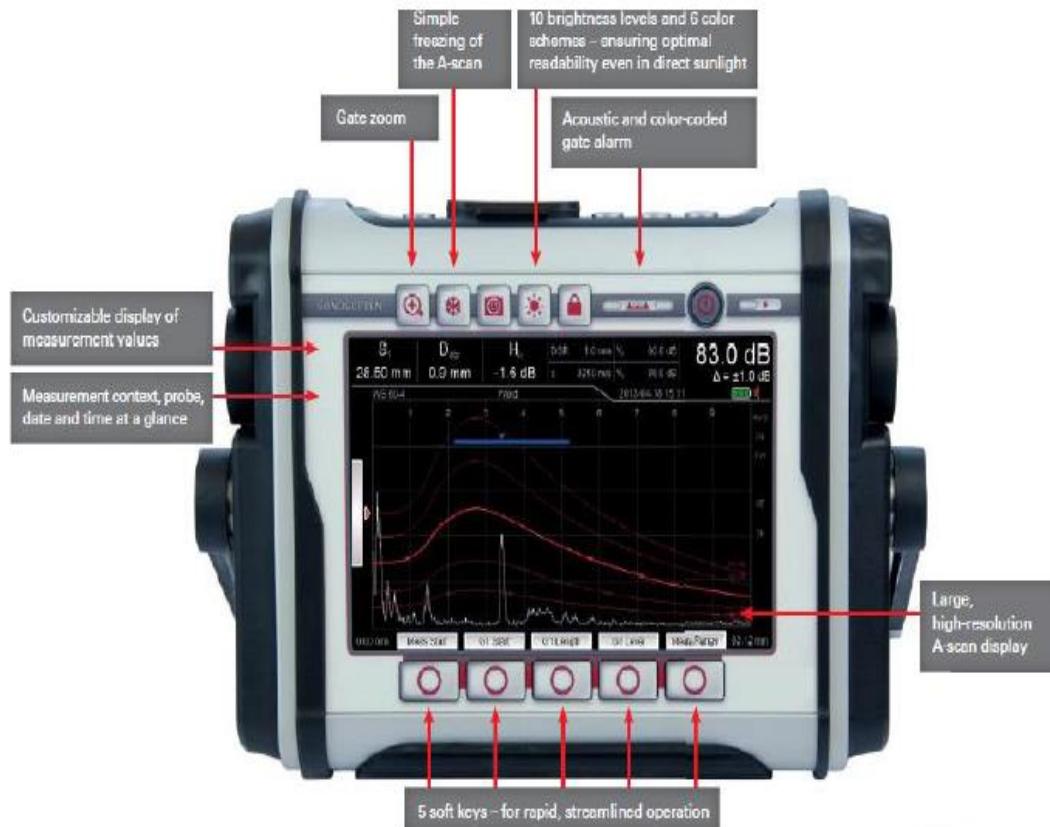
Designed for rough applications, the ultrasonic flaw detector stands firm to extreme temperatures between -20 to 60 °C, with the large, high-resolution 8" **graphic display** showing all measurement results at a glance.





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### THE FULL PACKAGE

#### ULTRASONIC FLAW DETECTOR

- + DGS evaluation ...
- + DAC evaluation ...
- + TCG function ...
- + AWS evaluation ...
- + Charger ...
- + USB flash drive ...
- + Couplant ...
- + Transportation and storage case ...
- + Protective working case ...
- + Operating manual and calibration certificate ...





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### GENERAL DATA

Dimensions (W x H x D)	310 x 206 x 77 mm
Weight	3000 g
Temperature ranges	Storage temperature: -20 to +60 °C Operating temperature: -20 to +60 °C
Battery operation	Internal Li-Ion battery Operating time: up to 13 hours
Mains/ Charging operation	Via external power supply with wide range input (100 to 240 V, 1.07 A)
Connectors	2 probe connectors: LEMO 1S Switching output/Analog output*: LEMO 1S Power supply: LEMO 1S  2 USB connectors
Protection type	IP66
Menu languages	English, German, Polish, Russian, Czech (others upon request)
Operating mode	Pulse-Echo, Transmit-Receive, Through-Transmission
Measurement unit	Inch (in) or millimeter (mm)
Measurement range	10 to 10 000 mm (up to 20 000 mm with pulse shift of max. 10 000 mm)
Sound velocity	Adjustable from 500 to 10 000 m/s, in steps of 1 m/s or fixed preset values
Measurement resolution	0.001 mm within the measurement range up to 10 000 mm (depending on sound velocity)
Amplitude evaluation	DGS*, DAC* (incl. TCG) or AWS D1.1*
Standards	DIN EN 12668-1, ASTM E1324