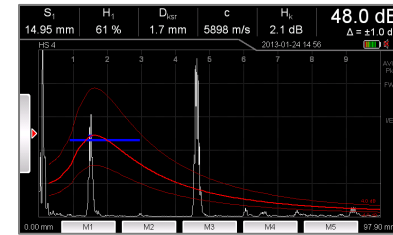


SONOSCREEN ST10

User Designed Ultrasonic Flaw Detector “Made in Germany”

Meets *DIN EN 12668-1* and *ASTM E1324* standards



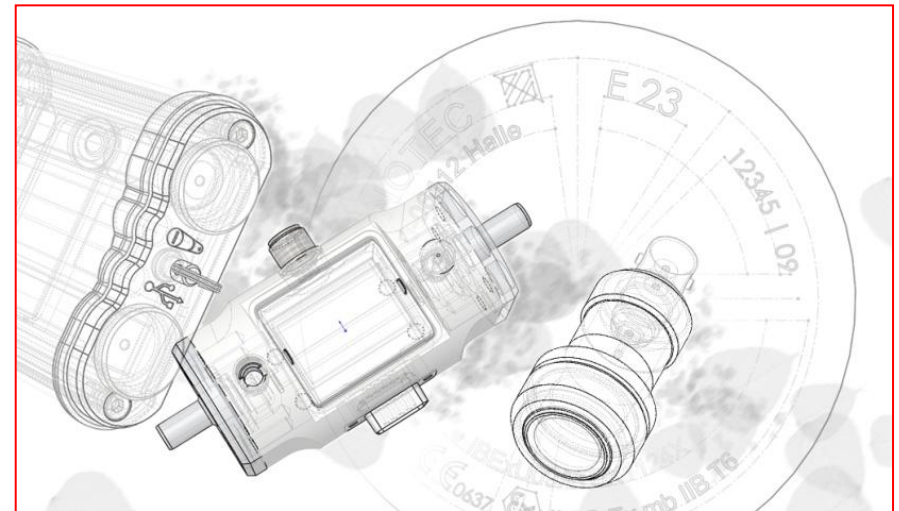


Company – Key Facts

- Specialist in ultrasonic technologies since 1991
- Approximately 100 employees
- Headquarters in Halle (Saale), Germany
- US subsidiary SONOTEC Inc. founded 2013 in New York
- Integration of R&D and manufacturing
- 4 product ranges (medical, process measurement, maintenance and NDT)
- Quality and innovation leadership philosophy
- ISO 9001, ISO 13485 and ATEX certified



**made
in
Germany**





Development – Considerations

- ▶ Increase of testing reliability
- ▶ Decrease of testing time
- ▶ Ruggedness for extreme testing environments



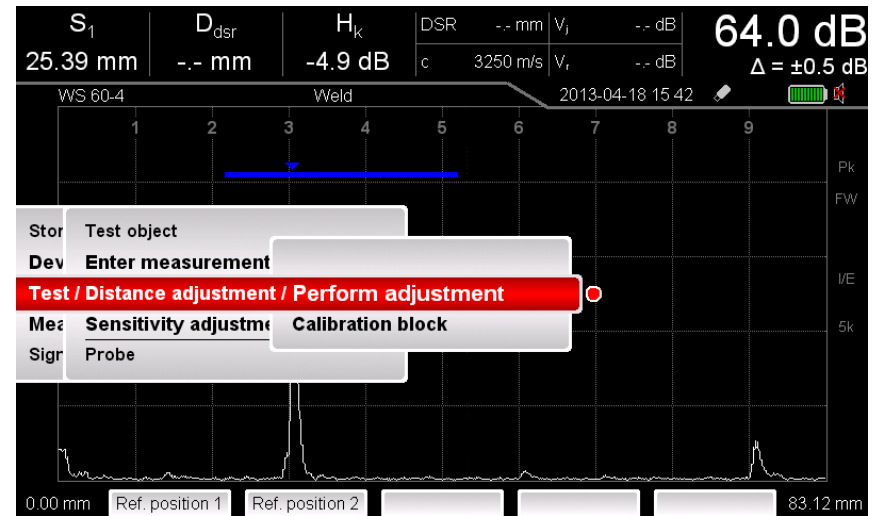
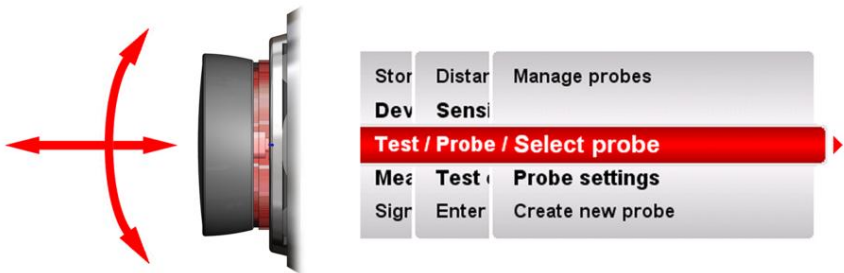
- ▶ Convenient and easy operation
- ▶ Testing of weld seams, castings, forgings, sheet metals, etc.
- ▶ Testing of plastics/composites





Features – Operating Concept

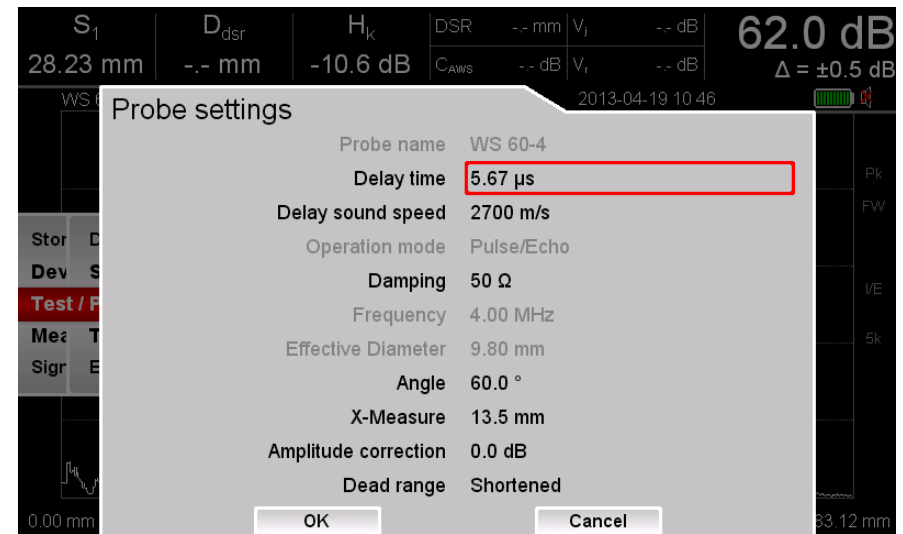
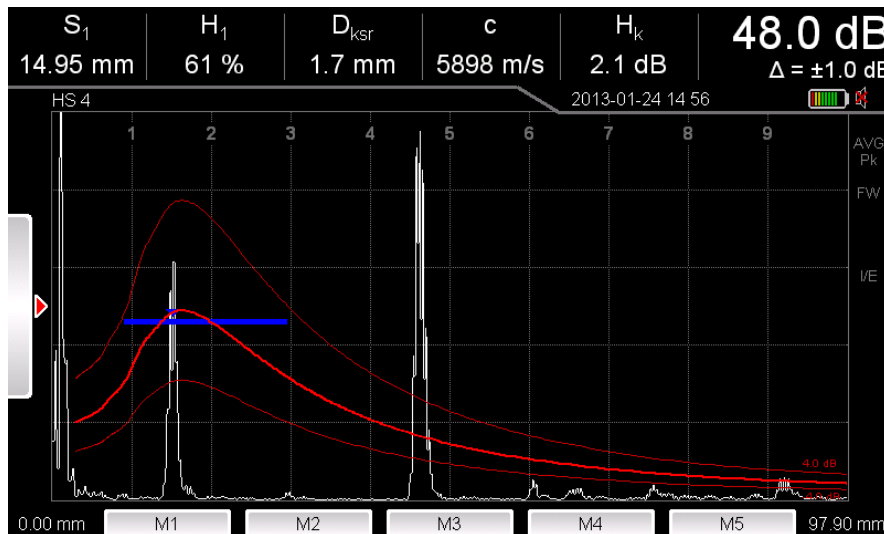
- Developed with experienced testers
- Highly user-oriented focus
- Menu navigation by turning and pressing of hand wheels
- Intuitive menu structure in full text
- Tester is quickly guided through all pre-test configurations
- DAC single point modification

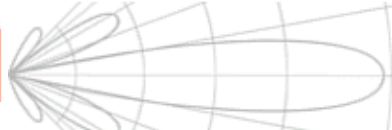




Features – Display

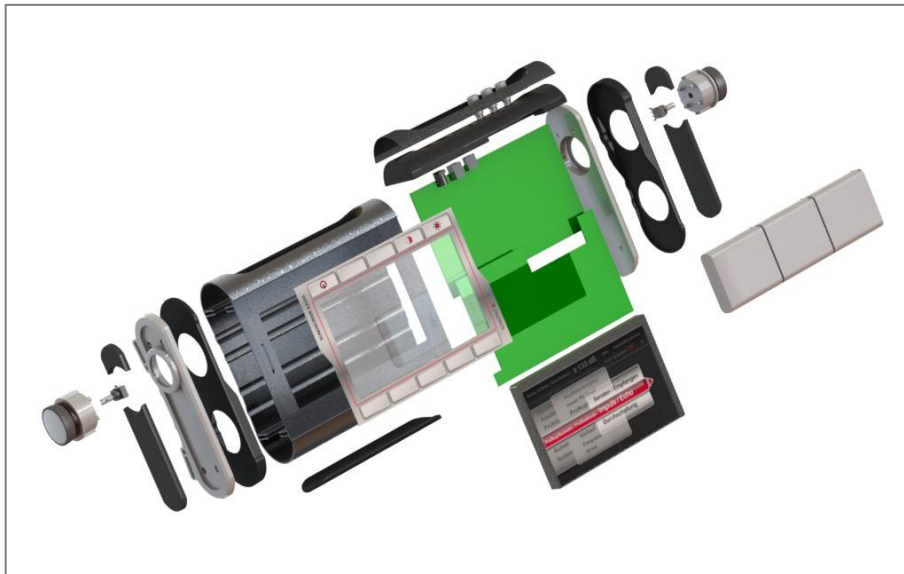
- ▶ Large 8" color TFT screen
- ▶ Very high resolution (800 x 480 pixels)
- ▶ Measuring range of 10m can be displayed in one A-scan
- ▶ Perfect readability during all lighting conditions (6 different color schemes)
- ▶ Configurable display of up to 10 readings
- ▶ All probe settings are displayed at a glance

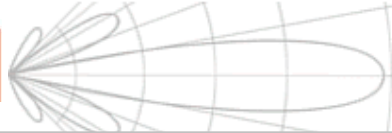




Features – Design

- ▶ High qualitative device “Made in Germany”
- ▶ Integration of R&D, design, electronic manufacturing and mechanical production
- ▶ -20° C to 60° C operating temperature range
- ▶ Very robust one piece aluminum body with additional rubber protection
- ▶ Protection class: IP66
- ▶ Modern but highly functional





Features – Technical Performance

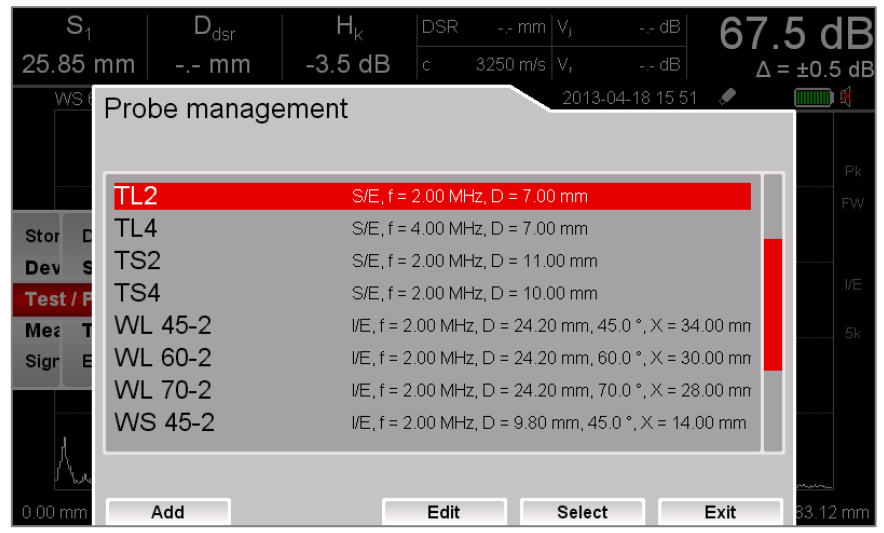
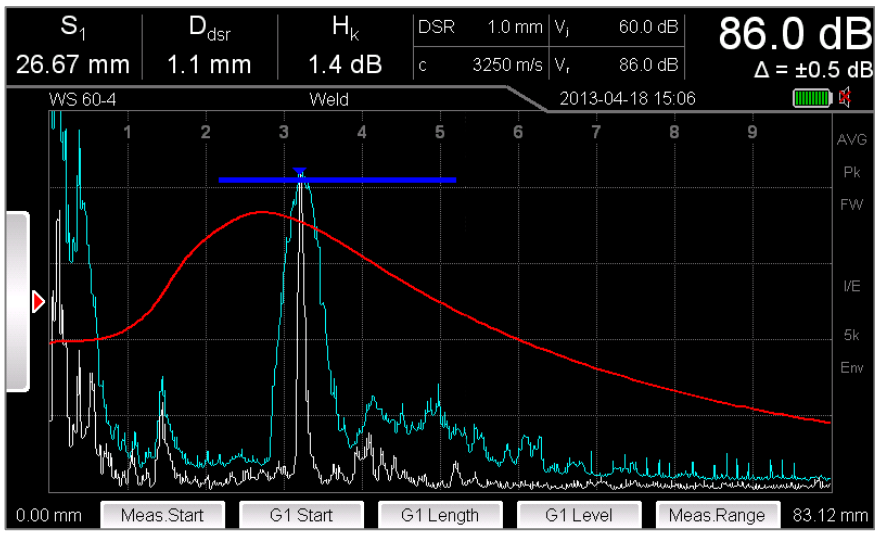
- Meets DIN EN12668-1, ASTM E1324
- 2 GB internal data storage
- Battery operating time up to 13 hours
- Powerful square wave pulser (up to 400V)
- Measurement range up to 20m
- High resolution (5ns) up to a measurement range of 10m
- PRF automatic or up to 10kHz
- Frequency filter options





Features – Functionality

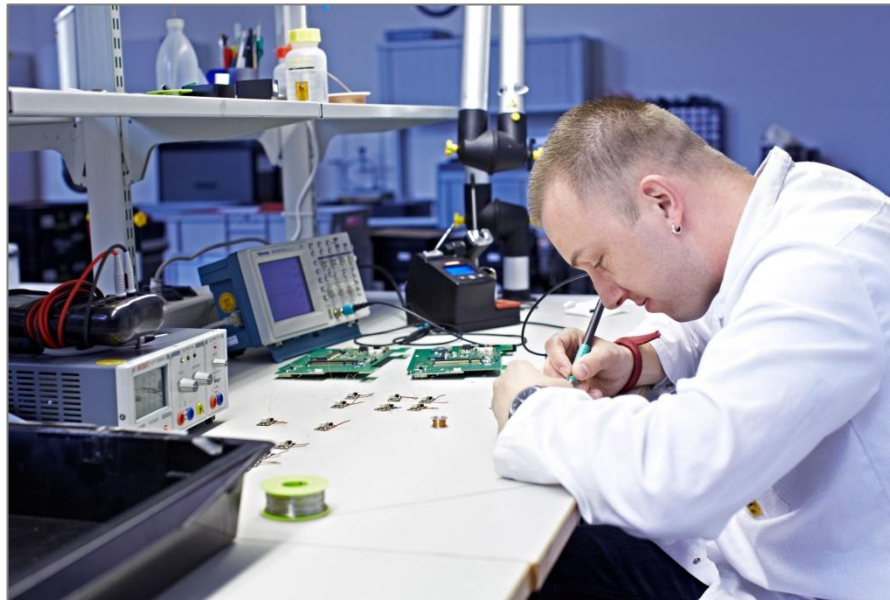
- ▶ DAC (+ TCG), DGS and AWS evaluation methods
- ▶ Envelope and reference echo function
- ▶ Flash drive for external storage and transfer via USB
- ▶ Integrated material, probe and calibration block database
- ▶ Testing protocol with all measurement values and screenshot
- ▶ Protection and working case





Features – Service

- ▶ Medium sized company
- ▶ Integration of R&D, production and sales
- ▶ Fast reaction time and high flexibility
- ▶ Short lead times due to permanent stock
- ▶ Realization of customer specific solutions
- ▶ Local support from qualified partners

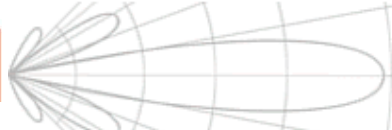




Probes - SONOSCAN

- Made in Germany
- EN 12668-2 certified
- Highest sensitivity and precision
- Modern and ergonomic design
- Full range of angle, straight and immersion probes
- Customized solutions
- Independent production of ceramics and composites





W/Thickness – SONOWALL

- Wall thickness measurement
- Devices for different materials
- Measurement through corrosion
- Coatings/painting layers can be ignored
- Special probes for round surfaces (pipes)
- Device for explosive areas available
- High accuracy and easy operation
- Multi-echo or sender/receiver devices

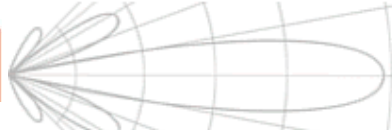




Pipeline – SONOPIPE

- ▶ Non-intrusive detection of pipeline pigs
- ▶ Recognition of different product types
- ▶ Analysis of product characteristics
- ▶ High accuracy even for coated or painted pipelines
- ▶ Measurement through the wall
- ▶ Maintenance free, no wear and tear parts
- ▶ Easy installation, no process interruption
- ▶ Suited for explosive areas (ATEX) and extreme conditions (up to IP68)

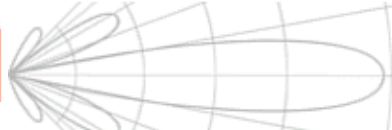




Maintenance – SONAPHONE

- ▶ Accurate detection of leakages in compressed air, gas or vacuum systems
- ▶ Internal performance control of valves, steam traps and other fittings
- ▶ Detection of partial discharges or corona
- ▶ Preventive maintenance machine diagnostics (bearing inspection)
- ▶ High energy cost savings can be achieved easily
- ▶ Increased operating safety





Contact

Headquarter **SONOTEC Ultraschallsensorik Halle GmbH**
Germany Nauendorfer Str. 2
 06112 Halle (Saale)
 Germany
www.sonotec.eu

Contact Manuel Lucas
Person International Sales Manager NDT
m.lucas@sonotec.de
 + 49 - 345 133 17 - 46

