



Sound Wave Inspection Systems introduces the Sonic V, a Fifth Generation Acoustic Pulse Reflectometry inspection system for ultra-fast and reliable inner diameter tube inspections.

A powerful and flexible device

Incorporating cutting-edge technology, the Sonic V has been designed with speed and mobility in mind. The lightweight, ultra-portable, battery operated probe is small enough to be carried in a backpack, while the absence of cables or calibration tubes makes the Sonic V even easier to operate. Extremely quick data collection makes 100% inspections a reality when/if needed.

Designed for fast inspections

Highly sensitive to through wall holes (detects any hole with diameter of 0.5mm and bigger!), with under 10 seconds for single tube inspection, enables efficient testing of 100% of tubes in shutdowns and emergency inspections.

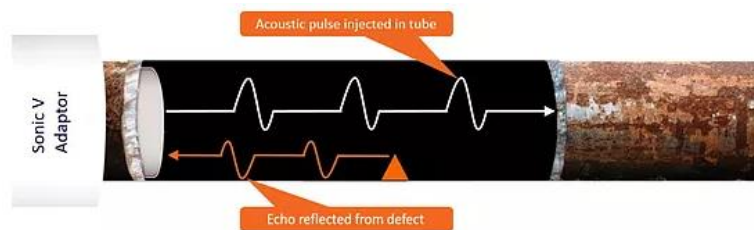
Top quality reports each time

The most experienced analysts are available 24/7, guarantee top quality analysis and reporting every time

Sonic V leverages APR technology capabilities. Specially formed acoustic pulses are propagated through the air enclosed by tube. Echoes generated by defects are recorded using cutting edge microphones. Powerful algorithms are identifying location, type and size of ID defects.

Acoustic Pulse Reflectometry

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Features



ID defects detection

- Extremely sensitive to through wall holes and blockages/restrictions
- Easy detection of ID wall losses (pitting, erosion)**
- Ability to detect holes from 0.5mm in diameter and bigger



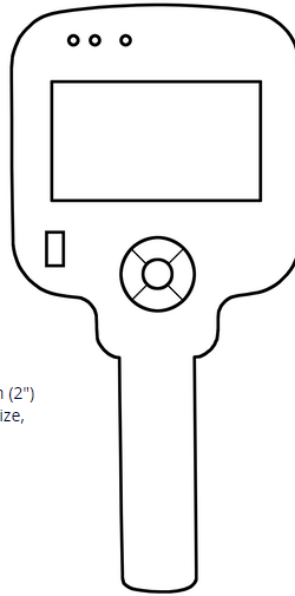
Complete ID coverage of all types of tubes

- U-bends, fin-fans, twisted, spiral wound tubes
- Ferromagnetic and non-ferromagnetic metals, graphite and plastics
- ID diameters from 6mm (1/4") to 52mm (2")
- Up to 20 meters depending on defect size, tube configuration and type



Cutting-edge technology

- Touchscreen display
- Cloud based data delivery
- USB, WiFi and bluetooth connectivity
- Automatic software updates
- Battery operated handheld device



Practical solution



- Extremely-fast, non-invasive inspection/less than 10s per tube
- Both, battery and electricity operated
- No need for inventory of consumable probes or standards
- Single operator with minimal training

Effortless operation



- The Sonic V is designed to simplify inspection process.
- A user-friendly interface is developed to ensure reliable and efficient inspections, helping the operator setting up, guiding through and finalizing the inspection.

Professional service

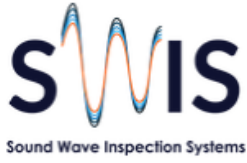


- Get reports from a highly trained and experienced analyst team in less than 24 hours after the inspection.
- Very light and convenient for fast transportation – battery certified for air freight.
- All you need for inspection in a single backpack.





ISO 9001
LL-C (Certification)
n. 393541



SOUND WAVE INSPECTION SYSTEMS
SONIC - V

unionTEST
MARPOSS



Every Sonic V comes in an airline approved safety backpack with a rich accessories list:

1. Sonic V
Fully assembled, ready to use APR device
2. 13 Adapters (6-52mm ID)
Complete range of adapters for different tube diameters are included in the package
3. Two Li-Ion batteries
Two batteries in the package make 12h shifts possible without external power source
4. External charger
Recharge second battery while system is being used, making non-stop remote (no electricity) inspections a reality.
5. Power supply
Dual-Voltage (110v/230v) with market specific power adapter. Can be used as a charger, or a power supply (with/without battery installed)

