



Sonus XT

The Compact Ultrasonic Testing Device for Preventive Maintenance

The versatility of Sonus XT makes it ideally suited to work with any plant maintenance program and the perfect complement to other Predictive Maintenance (PDM) Technology. Ultrasound detection can be utilized to detect early warning signs of equipment failure and to conduct energy conservation audits.

Inspections can be performed quickly and safely by plant personnel with minimal training. Fast and accurate diagnosis of problems using the Sonus XT will save you time and money.



Features and Benefits:

- Compact and robust construction aluminum body handheld unit that will fit in your pocket
- Intuitive controls using five soft-key pushbuttons
- Easy to use unit converts ultrasound into audible signals and shows instantaneous and maximum sound level readings in decibels
- Versatile quick-change Probe Accessories available for airborne and contact based applications
- High quality behind-the-head style headset compatible for use with hardhats
- Minimal training is required to get a Predictive Maintenance program using Ultrasound up and running
- Detect early warning signs of problems in electrical & mechanical assets long before they become failures
- Find Leaks and Save on energy costs: Finding and fixing compressed air leaks can often reduce energy costs by up to 30%
- Collect baseline and trend information on mechanical asset performance to streamline maintenance planning



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Technical Data

Sonus XT, Version 1.0 Ultrasonic Detector	
Operating Frequency	40 KHz
Functionality	Detection and conversion of ultrasonic signals to the audible spectrum, Display sound level (dB), Auto power off function
Display	Illuminated Liquid Crystal display
Connections	Custom jack ultrasonic probe types, Stereo jack plug 3.5 mm
Power supply	2x AA batteries
Operating voltage	2x 1.5 V battery
Running time	Approx. 24 hours with battery operation
Operating temperature	-10 °C ... +60 °C
Storage temperature	-20 °C ... +60 °C
Protection type	Device: IP54
Directives	2014/30/EU, electromagnetic compatibility 2011/65/EU, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
Dimensions	Without probe: LWH 130x85x30 mm With AP50 probe: L 170 mm Probe: L 52 mm, Ø 22 mm
Items supplied	Ultrasonic detector, probes as specified in the order, stereo headphones, carrying case, user manual



Sonus XT Usages:

Quickly and Safely perform closed panel airborne Ultrasound inspections of electrical equipment including Switchgear, Switchboards, Panelboards, Transformers, Motor Control Centers and Process Equipment Panels to detect early warning signs including:

- Corona
- Tracking
- Arcing

With the optional Parabolic Dish sensor, look for signs of Corona on outdoor utility switchyard equipment including:

- Transformers
- Insulators
- Cut-out Switches

Perform data based inspections and collect trend information on mechanical assets including:

- Bearing Condition
- Pump Cavitation
- Gear Box
- Pumps / Motors

Find Energy Saving opportunities by conducting leak detection and energy audits on:

- Compressed Air systems
- Vacuum systems
- Seals & Gaskets
- Condenser Tubes
- Hatches
- Boilers
- Heat Exchangers
- Valves
- Steam Traps



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