

# The 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 is 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. 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 of Arcing, Tracking and Corona.

## An Unparalleled Versatility

The Sonus XT can perform many functions to enhance your maintenance program. Detection of Corona Treeing (Tracking) and Arcing and detection of inner and outer race faults in motor bearings can alert technicians to potential failures. Leak surveys of compressed air systems and energy audits of steam systems can quickly identify losses. Once fixed this will improve overall plant efficiency and reduce operational costs.

## Easy to Use With a Minimal Learning Curve

The Sonus XT units require a minimal amount of training to get an inspection program up and running on your critical assets. Easily transition from an Electrical Inspection to a Motor Bearing Inspection by swapping the airborne probe for the contact probe without any complicated menu setting adjustments.

## Features



Compatible with the Sonus Vue App



Compatible With IRISS PDS & VPDS Ports



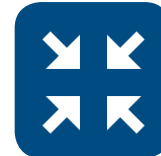
Quick Change Probes



Durable and Robust Construction



Ideal for Energy Conservation Programs



Small, Compact and Powerful Unit

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## Specifications

Model	Sonus XT		
<b>Ultrasonic Measurements</b>			
Operating Frequency	40 kHz		
Functionality	Detection and conversion of ultrasonic signals to the audible spectrum, Display sound level (dB), Auto power off function		
<b>Hardware</b>			
Enclosure	Aluminum		
Display	Illuminated Liquid Crystal display		
Control	Membrane keypad		
Connectors	Custom jack ultrasonic probe types, Stereo jack plug 3.5mm		
<b>Operating Environment</b>			
Operating Temp	-10 °C (14°F) to +60 °C (140°F)		
Storage Temp	-20 °C (-4°F) to +60 °C (140°F)		
IP Rating	IP54		
Unit Dimensions	Without AP50 Probe	With AP50 Probe	AP50 Probe
Dimensions	130 x 85 x 30mm (5.12 x 3.35 x 1.8in)	170 x 85 x 30mm (6.69 x 3.35 x 1.8in)	L 52mm (2.05in), Ø 22mm (Ø 0.87in)
Weight	295g (0.65lb)		
<b>Power</b>			
Power Supply	2x AA batteries		
Operating Voltage	2x 1.5 V battery		
Running Time	Approx. 24 hours with battery operation		
<b>Certification</b>			
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)		
<b>Other</b>			
Items Supplied	Ultrasonic detector, probes as specified in the order, stereo headphones, carrying case, user manual		
Warranty	12 Month Limited Warranty		

## Kits and Accessories

<b>Ultrasonic Detector Sonus XT Kit Configurations</b>	
SONUS XT-KIT	Ultrasonic Detector SONUS XT Device. Includes: Carrying Case, Headphones, Handheld Unit, Airborne and Contact Probe
SONUS XT-AP50	Ultrasonic Detector SONUS XT Device. Includes: Carrying Case, Headphones, Handheld Unit and Airborne Sensor
SONUS XT-CP52	Ultrasonic Detector SONUS XT Device. Includes: Carrying Case, Headphones, Handheld Unit and Contact Probe
SONUS XT-AC-PD55	Ultrasonic Detector SONUS XT Device. Includes: Carrying Case, Headphones, Handheld Unit, Airborne Sensor, Contact Probe and Parabolic Dish
<b>Sonus XT Accessories</b>	
AP50	Airborne Sound Probe for Leak Detection, Electrical Inspections in Electric Panel
CP52	Structure-Borne Sound Probe for Mechanical Inspection, Valves, Steam Traps and Transformers.
FP53	Airborne ultrasonic probe FP53 (flexible probe)
PD55	Parabolic probe PD55
HP-50	Headphones - behind the head style for use with Hardhat
STEC-TG	Ultrasound Tone Generator (for testing & calibration airborne)

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