

Sonus XT

The Compact Ultrasonic Testing Device for Preventive Maintenance



Increase Versatility

From the detection of Corona, Treeing(Tracking), Arcing in the Electrical domain to Inner or Outer Race faults in motors bearings, Sonus XT units can do so many things for your maintenance program.

Inspect Quickly

The Sonus XT units require a minimal amount of training to get a program up and running inspecting your critical assets.

Lighten Your Load

The Sonus XT has an extruded aluminum body resulting in a handheld unit that fits in the palm of your hand compared to other units on the market with plastic housings that can crack easily or separate from mishandling.

The versatility of Sonus XT makes it ideally suited to work with any Reliability 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. 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 such as Arcing, Tracking and Corona. Fast and accurate diagnosis of problems using the Sonus XT will save you time and money.



Specifications

Part Number	Sonus XT		
General Specifications	Without AP50 Probe	With AP50 Probe	AP50 Probe
Overall 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)		
IP/ NEMA Environment Rating	IP54 / NEMA 1		
Body Material	Aluminum		
Display	Illuminated Liquid Crystal display		
Connectors and interfaces	Custom jack ultrasonic probe types, Stereo jack plug 3.5mm		
Control	Membrane keypad		
Operating Temperature	-10 °C (14°F) to +60 °C (140°F)		
Storage Temperature	-20 °C (-4°F) to +60 °C (140°F)		
Humidity	0 to 90% RH non-condensing		
Ultrasonic Specifications			
Operating Frequency	40 kHz		
Functionality	Detection and conversion of ultrasonic signals to the audible spectrum, Display sound level (dB), Auto power off function		
Power			
Power Supply	2x AA batteries		
Operating Voltage	2x 1.5 V battery		
Operating Time	Approx. 24 hours with battery operation		
Certification			
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)		
Other			
Items Supplied	Ultrasonic detector, probes as specified in the order, stereo headphones, carrying case, user manual		
Warranty	12 Month Limited Warranty		

Kits and Accessories	
Ultrasonic Detector Sonus XT Kit Configurations	
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
Sonus XT Accessories	
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)

Specifications are subject to change without notice. For the most up-to-date specs, go to www.iriss.com

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