

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 | | |
|--------------------------------|--|---------------------------------------|------------------------------------|
| Ultrasonic Measurements | | | |
| Operating Frequency | 40 kHz | | |
| Functionality | Detection and conversion of ultrasonic signals to the audible spectrum, Display sound level (dB), Auto power off function | | |
| Hardware | | | |
| Enclosure | Aluminum | | |
| Display | Illuminated Liquid Crystal display | | |
| Control | Membrane keypad | | |
| Connectors | Custom jack ultrasonic probe types, Stereo jack plug 3.5mm | | |
| Operating Environment | | | |
| 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) | | |
| Power | | | |
| Power Supply | 2x AA batteries | | |
| Operating Voltage | 2x 1.5 V battery | | |
| Running 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) |

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