These Ultrasonic Detectors let you HEAR MORE!

SDT170S and 170S+ let you hear above the noise. Hear more failed bearings, more air leaks, and more faulty electrical systems. Sense machine failures and factory inefficiencies earlier. Predict mechanical failures weeks before they occur. Pinpoint leaks despite deafening ambient plant noise. Sort working steam traps from faulty ones. Locate integrity issues in your building’s envelope. Safely find dangerous arcing conditions in electrical systems. SDT170S and 170S+ let you HEAR MORE, so you can DO MORE.

A Dual Opportunity:
Save $$ While Saving the Environment

Reducing energy waste and carbon emissions is easy with the SDT170S and 170S+ ultrasonic detection systems. 170S comes equipped with a rugged internally mounted airborne sensor to serve all your airborne detection needs including compressed air, vacuum, and electrical inspections. An analog bar graph display indicates the severity of detected problems.

If you are looking for trending and measurement precision rely on the digital decibel display of the SDT170S+. Both SDT170S and 170S+ are used in combination with optional ultrasonic sensors that make your inspections more dynamic. Choose from the broadband or tri-band contact probe, magnetic sensor, flexible sensor, or laser sighted parabolic dish.

170S & 170S+ Kits Include:
- SDT170S or 170S+ Detector
- NiMH Battery Pack
- Headphones 130dB Noise Attenuation
- Power Charger (110V or 240V)
- Cable, RS232 to PC
- Carrying Case
- Precision Indicator
- Operations Manual

The SDT170 is a fully upgradeable platform allowing you to expand your ultrasound program without buying additional instruments for other purposes. Start with the SDT170S for leak detection, upgrade to the SDT170S+ Digital for bearing trouble shooting, and then upgrade to the SDT170MD for PC based ultrasound data collection. Call us and learn how your SDT170 can be upgraded to integrate Temperature, RPM, Noise, and Flow measurements.

Call 800-667-5325 Today to find out how we can help you start an effective ultrasound program.
**Physical Data and Specifications**

Function: Airborne and Structure Borne Ultrasonic Detector

Keyboard: 8 Function Push Button Keypad

Ultrasonic Sensors: Internal Airborne (Standard) External Ultrasonic (Optional)

Measuring Range: -10 dBµV to 120 dBµV

Accuracy: ± 0.5 dBµV

Measuring Resolution: 0.1 dBµV

Signal to Noise Ratio: -5 dBµV typical

Filter Bandwidth: (-3dB) 2 kHz

Frequency Range: 0 to 200 kHz Sensor Dependant

Battery Pack: Rechargeable NiMH - 8-10 hours use

Recharge Time: 5-6 Hours

Auto Power Down: Yes, User adjustable

Operating Temperature: -15°C to +60°C / 5°F to 140°F

Housing: Extruded Aluminum

Weight: 750 grams/26.45 ounces (includes battery and cover)

Dimensions: 225x90x40mm/8.86x3.54x1.57 inches (LxWxH)

Holster Protection: Rubber Resistant to Hydrocarbons

Warranty: 1 Year standard, 5 years with product registration

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**170S & 170S+ Kit Configurations**

<table>
<thead>
<tr>
<th>We have specialized kits configured and customized for every Inspector</th>
<th>SDT170S Std Kit</th>
<th>Flexible Sensor</th>
<th>21&quot; Extended Distance</th>
<th>Lube Adaptor</th>
<th>Broadband Probe</th>
<th>Tri-Frequency Probe</th>
<th>Magnetic Sensor</th>
<th>Parabolic Diaph</th>
<th>Leather Belt Holder</th>
<th>AVM Ultrasonic Kit</th>
<th>8 Zone Transmitter</th>
<th>Non Contact Temp</th>
<th>dBA II Noise Sensor</th>
<th>Tachometer</th>
<th>Mass Flow Sensor</th>
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<td><strong>170S Standard Kit</strong></td>
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Legend

• = Included in kit
○ = Not Compatible with S or S+

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**Where will you use your SDT170?**

- Compressed Air Leak Detection
- Electrical Inspections
- Bearing Monitoring and Testing
- Steam Trap Fault Diagnosis
- Valve Inspection
- Hydraulic Trouble Shooting
- Gear Box Inspection
- Acoustic Bearing Re-Lubrication
- Leak Tests on Heat Exchangers
- Tube and Condensor Leak Testing
- Hatch Cover Leak Surveys
- Tightness Testing of Vehicles
- Vacuum Leak Testing
- Containment Wall Inspections
- Building Envelope Inspections
- Pump Cavitation

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In our quest for excellence, we will make regular improvements to our products and these specifications are subject to change without notice. Warranty details area available on request. SDT® and HEAR MORE® are trademarks of SDT North America.