

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.

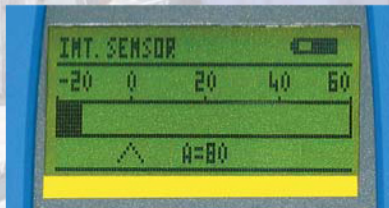
A Dual Opportunity:

Save \$\$ While Saving the Environment

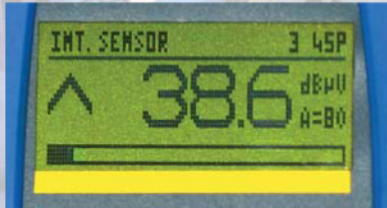
Reducing energy waste and carbon emissions is easy with the SDT170S and 170S+ ultrasonic detection systems.

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.



Display of SDT170S Analog



Display of SDT170S+ Digital

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.

Reliability Direct, Inc.

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2911 South Shore Blvd. Suite 170, League City, TX USA 77573 Phone: 281-957-5283 Fax: 281-334-4255

170S & 170S+ Kit Configurations

We have specialized kits configured and customized for every Inspector	SDT170S Std Kit	Flexible Sensor 21"	Extended Distance	Lube Adaptor	Broadband Probe	Tri-Frequency Probe	Magnetic Sensor	Parabolic Dish	Leather Belt Holster	AVM Ultranalysis Kit	8 Zone Transmitter	Non Contact Temp	dBA II Noise Sensor	Tachometer	Mass Flow Sensor
	170S Standard Kit														
Leak Surveyor	•	•	•						•			◇	◇	◇	◇
Steam Inspector	•				•				•			◇	◇	◇	◇
Electrical Inspector	•	•						•	•			◇	◇	◇	◇
Ultranalysis	•				•				•	•		◇	◇	◇	◇
Tightness Surveyor	•	•							•		•	◇	◇	◇	◇
170S+ Digital Kit															
Leak Surveyor	•	•	•						•			◇	◇	◇	◇
Lubrication Tech	•			•	•				•			◇	◇	◇	◇
Steam Inspector	•				•				•			◇	◇	◇	◇
Electrical Inspector	•	•						•	•			◇	◇	◇	◇
Ultranalysis	•				•				•	•		◇	◇	◇	◇
Tightness Surveyor	•	•							•		•	◇	◇	◇	◇
Legend	• = Included in kit ◇ = Not Compatible with S or S+														

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

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

Contact Your Local Dealer

Reliability Direct, Inc.

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www.reliabilitydirectstore.com, www.extech-direct.com