



SDT170MD Ultrasonic Data Collector



This Ultrasonic Data Collector lets you HEAR MORE!

SDT170MD lets 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. SDT170MD lets 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 SDT170MD ultrasonic data collector. In addition to a rugged internally mounted airborne sensor, the 170MD comes with the broadband contact probe for trouble shooting mechanical problems and trending bearing failures. A digital decibel display indicates the severity of detected problems and also serves as a guide for bearing relubrication. The 170MD is multifunctional so you can measure Temperature, RPM, Flow, and Noise Levels in addition to ultrasound.

On Board Memory - The 170MD is a fully functioning ultrasonic data collector. Routes are custom built using PC software and 2-way data transfer helps build trend data on all your critical rotating machines. Data reports and charts can be viewed in DataManager or one-click export to MS Excel.

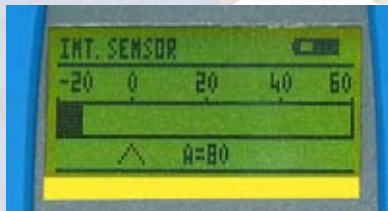


170MD Kit Include:

- | |
|-------------------------------------|
| SDT170MD Detector |
| Broadband Contact Probe with Needle |
| NiMH Battery Pack |
| Headphones 130dB Noise Attenuation |
| Power Charger (110V or 240V) |
| Cable, RS232 to PC |
| Carrying Case |
| Precision Indicator |
| Operations Manual |
| 170MD DataManager PC Software |



Display of SDT170MD



Display of SDT170S Analog

The SDT170 is a fully upgradeable platform allowing you to expand your ultrasound program without buying additional instruments for other purposes. The SDT170MD answers the needs of your program for full scale PC based data collection. Call to learn how your SDT170 can 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



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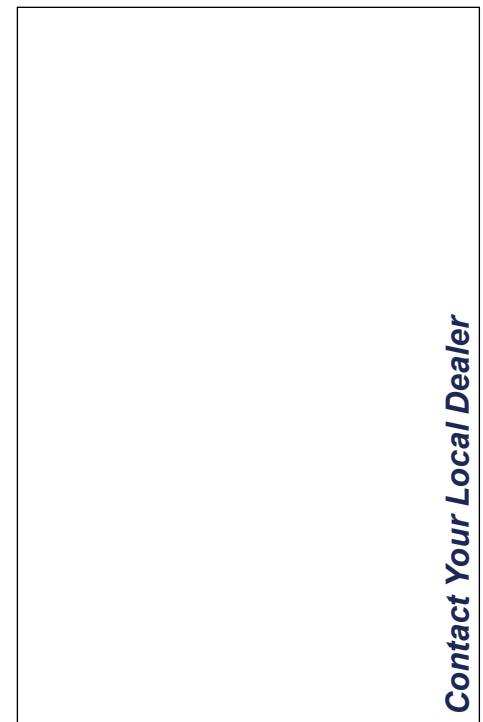


170MD Kit Configurations															
We have specialized kits configured and customized for every Inspector	SDT170MD Std Kit	Flexible Sensor 21"	Extended Distance	Lube Adaptor	Broadband Probe	Tri-Frequency Probe	Magnetic Sensor	Parabolic Dish	Leather Belt Holster	AVM Ultranalysis Kit	8 Zone Transmitter	Non Contact Temp	dBA II Noise Sensor	Tachometer	Mass Flow Sensor
170MD Configured Kits															
Leak Surveyor	•	•	•						•						
Lubrication Tech	•			•	•				•						
Steam Inspector	•				•				•						
Electrical Inspector	•	•						•	•						
AVM Ultranalysis	•				•				•	•					
Total PdM Inspector	•	•	•	•	•		•		•			•	•	•	
Tightness Surveyor	•	•							•		•				
<i>Legend</i>	• = Included in kit														

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
Multi Functional Sensors	dBA, RPM, Mass Flow, Temperature (Optional)
Measuring Range	-10 dB μ V to 120 dB μ V
Accuracy	\pm 0.5 dB μ V
Data Transfer	SDT170MD - 2-way Communication with PC Software
Memory	128 Routes, 1000 points/route, 4 measures/point
Memory Function	User Customizes Route Name, Point Name, Order
Measuring Resolution	0.1 dB μ V
Signal to Noise Ratio	-5 dB μ V 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

Call Today to Hear More