



# SDT270

## Ultrasound Detector



The SDT270 ultrasound detector provides greater insight into the health of your assets. It helps you control energy costs, predict failures, improve product quality and increase overall production uptime.

With your SDT270 ultrasound solution, you have the ability to predict and prevent failures before they occur. Stop relying on the reactive, fire-fighting maintenance measures of the past and start a proactive approach.

### BENEFITS

- Measures ultrasound, vibration, RPM, humidity and temperature from one instrument
- Two channel inputs to connect ultrasound and multifunction sensors with accessories simultaneously
- Unmatched accuracy and repeatability for reliable trending and analysis in ultrasound detection and measurements
- Upgradeable firmware to grow with your needs
- Planned and Conditional Survey modes to guide you logically through your plant
- Device and software available in six languages (EN, FR, DU, GE, ES, IT)
- IP-addressable to access Internet support and training



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### Technical Specifications

<b>Built-In Measurements</b>	Ultrasonic sensor, infrared temperature sensor (optional) and tachometer (optional)
<b>External Sensors</b>	2 ports (Lemo 7pin connector)
<b>Data Logger SS/SD</b>	at least 4000 static measurements spread over 1000 locations
<b>Data Logger DD</b>	idem SS/DD plus 15,000 seconds of Dynamic data @8k sampling rate or 3,700 seconds for 32k
<b>Data Logger SU/DU</b>	at least 10,000 static measurements and 15,000 seconds of dynamic measurements @8k sampling rate or 3,700 seconds @32k spread over 10,000 locations
<b>Communication</b>	USB Interface
<b>Auto Power Down</b>	After preset time - adjustable by user
<b>Response Time</b>	<9 milliseconds
<b>Minimum sensitivity</b>	Class I instrument exceeding ASTM 1002- 11 requirements for gas leak detection with the appropriate sensor
<b>Headphones</b>	high quality industrial headset having a Noise Reduction Rating (NRR) of 25 dB
<b>Intrinsically Safe</b>	ATEX certification meets directive 94/9/ EC (II 1 G Ex ia IIC T3/T2 Ga) comparable to Class I, Div 1, groups A, B, C & D
<b>Physical Characteristics</b>	Housing: Extruded Aluminum Weight: 830g /29.3oz (with battery & holster) Dimensions: 226 x 90 x 40mm (8.9 x 3.54 x 1.57 inches)
<b>Protective Casing</b>	Shock Resistant Silicone
<b>Battery Pack</b>	Rechargeable 8 cell 4.8v, 4600mAh NIMH
<b>Safeguards (Battery)</b>	Short-circuit, reverse polarity & temperature protection

### Standard Components

- SDT270 receiver with internal ultrasonic sensor
- Built-in temperature sensor with laser sight
- Peltor earmuff
- Battery and charger
- USB cable and DataDump software
- Carrying case Systainer 3
- Leather strap and belt clip

### Optional Sensors

- Threaded contact sensor
- Needle contact sensor
- Extended distance sensor
- Flexible sensor
- T-Sonic1 Transmitter
- T-Sonic9 Transmitter



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Would you like to know more about how I-care™ can help you reduce your downtime? Visit our website or contact us!