

SDT200

Ultrasonic Detector

Affordable Energy Conservation for the Masses

✓ The most complete range of sensors

- The SDT200 detector is equipped with an internal ultrasonic sensor and laser pointer
- Additional Sensors:
 - Parabolic sensor with laser beam
 - RS1 Contact and Threaded with magnet and mounting pads
 - Extended Distance Sensor
 - Humidity and Mass Air Flow
 - Built-in non-contact Temperature

✓ Energy Saving Applications

- Compressed Air Leak Detection
- Steam Trap Inspection
- Ultrasound Assisted Lubrication

✓ Versatile and loaded with features

- Digital measurement display (dB μ V)
- Active sensor notification
- 4000 Point Memory
- DataDump software transfers to PC

✓ Quality meets economy

- Long battery life.
- Intuitive icon navigation
- Independent headset volume control
- Robust and ergonomic

✓ Available in ATEX version

- The SDT200 detector is also available in ATEX version for potentially explosive environment
- ATEX Directive 94/9/CE (II 1 G / Ex ia IIC T3/T2 Ga)



Ultrasound Solutions
Industry Listens To Us

SDT200

Ultrasonic Detector

Economy without Compromise



Technical Specifications

Function	Multifunctional Ultrasonic Detector
Display	Graphic LCD (128 x 64) with backlight
Keyboard	12 function keys
Built-in sensors	Ultrasonic Sensor, Temperature Sensor
External sensors	Lemo 7 pin external sensor input
Memory	4000+ measurements spread over 100 memory locations
Measurement types	Ultrasound: RMS, Max RMS, Peak, Crest Factor & Temp: C/F
Frequency range:	40 kHz (2kHz bandwidth)
Bandwidth:	(-3dB) 2kHz
Communication	USB Interface
Amplification	Adjustable from 0 to 120 dB
Measuring range, accuracy & resolution	-20dB μ V to 120dB μ V, \pm 0.5 dB μ V, resolution 0.1 dB μ V
Signal to noise ratio, Response Time	-5dB μ V typical, >10 μ s
Software	DataDump PC Transfer Application
Operating temperature	-15 °C to +60 °C / 14 °F to 140 °F non condensing
Housing	Extruded aluminum with shock-proof rubber protections
Weight	830 g / 29.3 oz. (with battery and holster included)
Dimensions	226 x 90 x 40 mm / 8.90 x 3.54 x 1.57 inches (L x W x H)
Headphones	130 dB, noise isolating
Auto power down	Auto power down after preset time
Battery pack (*)	Rechargeable NiMH battery. Nominal Capacity: 4.4 Ah
Life span	500 to 1,000 charge/discharge cycles
Anticipated usage with full	More than 8 hours without backlighting
Recharge time	6 to 7 hours
Protections	Short-circuit, reverse polarity and temperature protected

Specific data for ATEX version

ATEX certification	II 1 G Ex ia IIC T3/T2 Ga, conform to IEC 60079-0, 60079-11 and 60079-26
Operating temp	-15°C to 50°C (T3) or -15°C to 60°C (T2).

The information herein is believed to be accurate to the best of our knowledge. Due to continued research and development, specifications of this product can change without prior notice. Copyright SDT. Version 04/2012



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