

SDT200

Ultrasonic Detector

Technical Specifications

Listen beyond the noise of your plant. Pinpoint compressed air leaks through miles of twisting air lines with laser point accuracy. Quickly inspect hundreds of steam traps sorting good from bad. Confidently re-lubricate motor bearings with digital accuracy. Let the SDT200 chart a course for less energy waste, more efficient processes, and a greener environment.

SDT puts its 35 years of ultrasound "know-how" into the SDT200. The company has a long standing reputation for designing high-end ultrasound measurement solutions for Predictive Maintenance, Reliability, and Condition Based Monitoring professionals. With a presence in more than 50 countries many consider SDT to be the global leader in ultrasound instrument design.

Bolster your energy conservation programme today with the SDT200. Choose from the base kit or one of our customized application driven kits.



Base Kit Reference: FSR200SD	USD\$ 3,500
SDT200 Unit (ATEX Approval: Call for Quote)	
Systainer 3 Case Foam Lined	
Universal Battery Charger	
USB Cable A-B5 Mini	
Headphones - Standard	
Leather Belt Attachment	
Shoulder Strap	
USB Resources Flash Drive	

Leak Surveyor Kit	\$4,270	Leak Surveyor Pro	\$ 6,025
FSR200SD Base Kit		FSR200SD Base Kit	
Extended Distance Sensor		Parabolic Dish with Laser	
Flexible Sensor		Flexible Sensor	

Steam Inspector	\$4,520	Lube Tech Kit	\$4,445
FSR200SD Base Kit		FSR200SD Base Kit	
RS1 Contact Probe w/cable		RS1 Threaded Sensor w/Magnet	
Non-Contact Temperature		Lube Adaptor	
Customized kits can be configured. Call for quote			

Prices Quoted are Ex-Works Canada and Subject to Change Without Notice



SDT200 Leak Surveyor Kit



Ultrasound Solutions
... what Industry listens to.

SDT200

Ultrasonic Detector



SDT Ultrasound Solutions
What Industry Listens To

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Function	Multifunctional Ultrasonic Detector
Display	Graphic LCD (128 x 64) with backlight
Keyboard	12 function keys
Built-in sensors	Internal Ultrasonic Sensor (Standard); Non-Contact Temperature Sensors (Optional)
External sensors	Lemo 7 pin external sensor input
Memory	4000+ measurements spread over 100 memory locations
Measurement types	Max RMS/Celsius/Fahrenheit
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
Conformity	Built in conformity with the applicable European Directives: Electrical equipment for measurement IEC EN 61010-1 EMC Directive 2004/108/CE Low voltage Directive 2006/95/CE

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

SDT Ultrasound Solutions

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