Training
Training is a cornerstone of an effective and enduring ultrasound program.
Companies that invest in training experience faster return on investment and full adoption of applications.

Partner with SDT for:
- Certification Training: ISO CAT1, ASNT Level 1 & 2
- Implementation Training: Hardware, Software, Applications
- Application Training: Focused “How To” Sessions
- LUBExpert Training: Acoustic Lubrication Workshops
- Partnered Ultrasound: 1 and 2 Year Mentorships

Support
SDT builds rugged solutions that last a lifetime.
Our after sales support team is here to ensure your ultrasound investment continues to function for the long haul.
Whether its calibrating and updating the firmware of your hardware, or administering the latest software updates, you can depend on our globally located service centres to keep your SDT Solution in factory condition.

LIFETIME WARRANTY
SDT products are built to last a lifetime...
And so is our WARRANTY.
Ask us about our LIFETIME WARRANTY today.

Sensors and accessories
Contact sensors
Vibration sensors
Non-contact sensors
Ultrasound transmitters

SDT340 Features and Technical Specifications
On-board measurements Ultrasound, Vibration, Infrared temperature and Tachometer
Dual Sensor Inputs One for ultrasound measurement and one for vibration
Time signal and spectrum On-screen time waveform and FFT. Panning and zooming for signal navigation. Display of the 10 highest values
Frequency range 20 kHz to 50 kHz (ultrasound). 10 Hz to 10 kHz (vibration)
Sampling rate 32, 64, 128 and 256 kHz oversampling FocUS Mode
Signal length per recording 600 seconds (32 kHz sample rate) or 150 seconds (128 kHz FocUS Mode)
Data memory 4.2 GB allowing the storage of 71 minutes of signal sampled at 128 kHz or 286 minutes at 32 kHz
Sensitivity Class I instrument exceeding ASTM 1002-11 requirements for gas leak detection using the appropriate sensor
Display Full color TFT 3.5” screen 320x480. Active area: width 48.96 mm (1.93”) x height 73.44 mm (2.89”)
Bluetooth For audio streaming
Housing Extruded aluminum, shock proof rubber protections
Dimensions L x W x H 221 x 93.5 x 44 mm (8.7 x 3.7 x 1.7 inches)
Weight 720 g (25.4 oz), including battery
Headphone Wired headset and wireless Bluetooth headset. The SDT340 is compliant to noise exposure health and safety requirements when using SDT provided models
Warranty Lifetime warranty. Visit www.sdtultrasound.com for details

SDT Mission
SDT provides ultrasound solutions that help our customers gain a better understanding about the health of their factory. We help them predict failures, control energy costs, and improve product quality while contributing to the overall reliability of their assets.

Your SDT Certified Partner

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SDT340
with Ultranalysis Suite 4.0
CLOUD CONNECTED CONDITION MONITORING
Detect, measure, analyze ultrasound and vibration

Visit www.sdtultrasound.com for details
SDT340, together with UAS4.0, is a cloud connected condition monitoring solution. Detect, trend, and analyze asset health by viewing the ultrasound and vibration time signal and spectrum directly on the SDT340’s color display. Manage the results with UAS4.0, a scalable, multi-technology, multi-platform application that lets you access data from your desktop, server, or in the cloud.

- **Enhance productivity in the field with on-screen time signal, spectrum, split screen view, and icon navigation.**
- **Experience enhanced impact detection with focUS Mode.** See defects others simply cannot.
- **Pan and expand your time signal or spectrum and list the highest values to improve in-field diagnosis.**
- **Cut the cord with SDT340’s high definition Bluetooth headphones.**
- **With over 4 GB of storage, record data longer on slow speed machines and never run out of memory.**

The 3.5” color display gives you a crystal clear view in the darkest conditions.

Record time waveform data up to 10 minutes in duration with enhanced signal data.

Recall historical data for trending and alarming in-the-field acquisition.

The intuitive interface to UAS4.0 allows for data collection in “off-route” mode.

With focUS Mode, enjoy enhanced signal resolution with sampling rates up to 256k.

With over 4 GB of storage, record data longer on slow speed machines and never run out of memory.

**APPLICATIONS**
- **MECHANICAL** Detect defects in any mechanical system.
- **LEAKS** Find pressure and vacuum leaks in noisy conditions.
- **LUBRICATION** Avoid over/under lubrication. Choose bearings right.
- **ELECTRICAL** Avoid over/under lubrication. Choose bearings right.
- **VALVES** Assess valve tightness and function.
- **STEAM** Find faulty steam traps and leaking components.
- **HYDRAULICS** Troubleshoot any hydraulic system for passing and blockages.
- **TIGHTNESS** Determine the tightness of any windowed volume.

**UAS VERSIONS**
- **UAS Lite** Free
- **UAS4.0 Standalone**
- **UAS4.0 Server**
- **UAS4.0 Cloud**

**UAS4.0** Analysis Software

- **Scalable**
- **Multi-technology**
- **Multi-platform**

Access your asset health data where and when you need it; from your desktop, server, or in the cloud.

Import data from other predictive technologies with custom data adapters. *

Publish data to other platforms applying Artificial Intelligence and Machine Learning models. *

Bi-directional connection to CMMS platforms to generate work orders based on condition monitoring data. *

* On demand. Case-by-case.