

# SDT340

## Detect, measure, analyze ultrasound and vibration



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 UAS3 allows for data collection in **"off-route" mode**.



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

## APPLICATIONS



### MECHANICAL

Detect defects in any mechanical system.



### LEAKS

Find pressure and vacuum leaks in noisy conditions.



### LUBRICATION

Avoid over/under lubrication. Grease bearings right.



### ELECTRICAL

Inspect medium and high voltage systems for arcing, tracking and corona.



### VALVES

Asses valve tightness.



### STEAM

Find faulty steam traps and leaking components.



### HYDRAULICS

Troubleshoot any hydraulic system for passing and blockages.



### TIGHTNESS

Determine the tightness of any enclosed volume.

## 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



Ultrasonic transmitters



## SDT340 Features and Technical Specifications

On-board measurements	Ultrasound, Vibration, Infrared temperature and Tachometer.	Sensitivity	Class I instrument exceeding ASTM 1002-11 requirements for gas leak detection using the appropriate sensor.
Dual Sensor Inputs	One for ultrasound measurement and one for vibration.	Display	Full color TFT 3.5" screen 320x480. Active area: width 48.96 mm (1.93") x height 73.44 mm (2.89").
Time signal and spectrum	On-screen time waveform and FFT. Panning and zooming for signal navigation. Display of the 10 highest values.	Bluetooth	For audio streaming.
Frequency range	Up to 100 kHz (Ultrasound). 5Hz to 10 kHz (vibration, ISO 10816/201816 compliant).	Housing	Extruded aluminum, shock proof rubber protections.
Sampling rate	32, 64, 128 and 256 kHz oversampling FocUS Mode.	Dimensions	L x W x H 221 x 93.5 x 44 mm. (8.7 x 3.7 x 1.7 inches)
Signal length per recording	600 seconds at 32 kHz, 300 seconds at 64 kHz, 150 seconds at 128 kHz, 75 seconds at 256 kHz.	Weight	720 g (25.4 oz), including battery.
Data memory	4.2GB allowing the storage of ~1166 minutes at 32 kHz ~583 minutes at 64 kHz ~291 minutes at 128 kHz ~145 minutes at 256 kHz.	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 <a href="http://www.sdtultrasound.com">www.sdtultrasound.com</a> 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



**Ultrasound Solutions**

**SDT International s.a./n.v.**

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