

## 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	20 kHz to 50 kHz (ultrasound). 10 Hz to 10 kHz (vibration)	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 (32 kHz sample rate) or 150 seconds (128 kHz focUS Mode)	Weight	720 g (25.4 oz), including battery
Data memory	4.2 GB allowing the storage of 71 minutes of signal sampled at 128 kHz or 286 minutes at 32 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

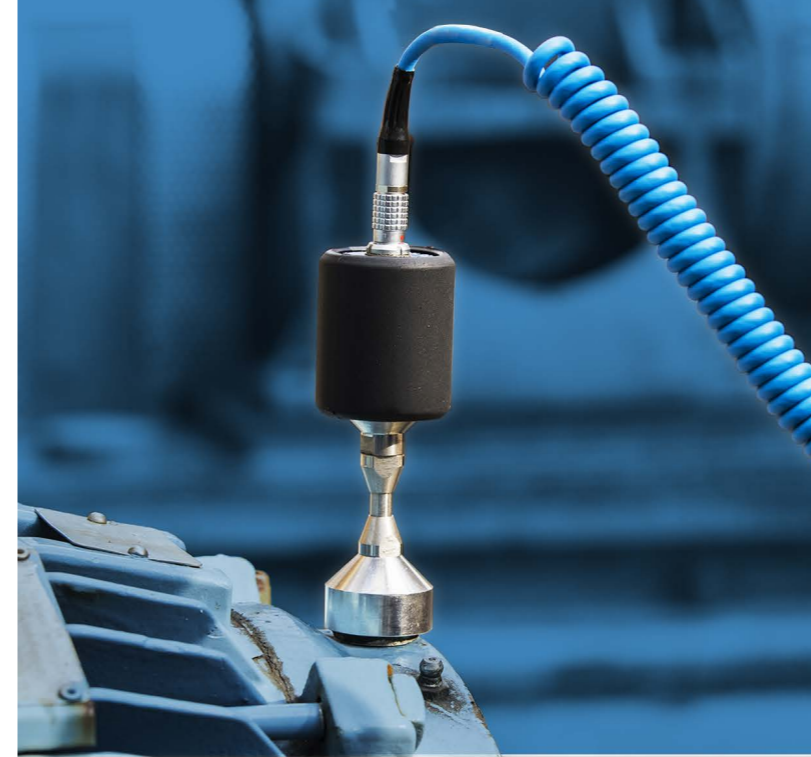


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# SDT340

with Ultranalysis Suite 4.0

## CLOUD CONNECTED CONDITION MONITORING

Detect, measure, analyze  
ultrasound and vibration



[www.sdtultrasound.com](http://www.sdtultrasound.com)

# SDT340

Data Collector

# UAS4.0

Analysis Software

Scalable  
Multi-technology  
Multi-platform



**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.



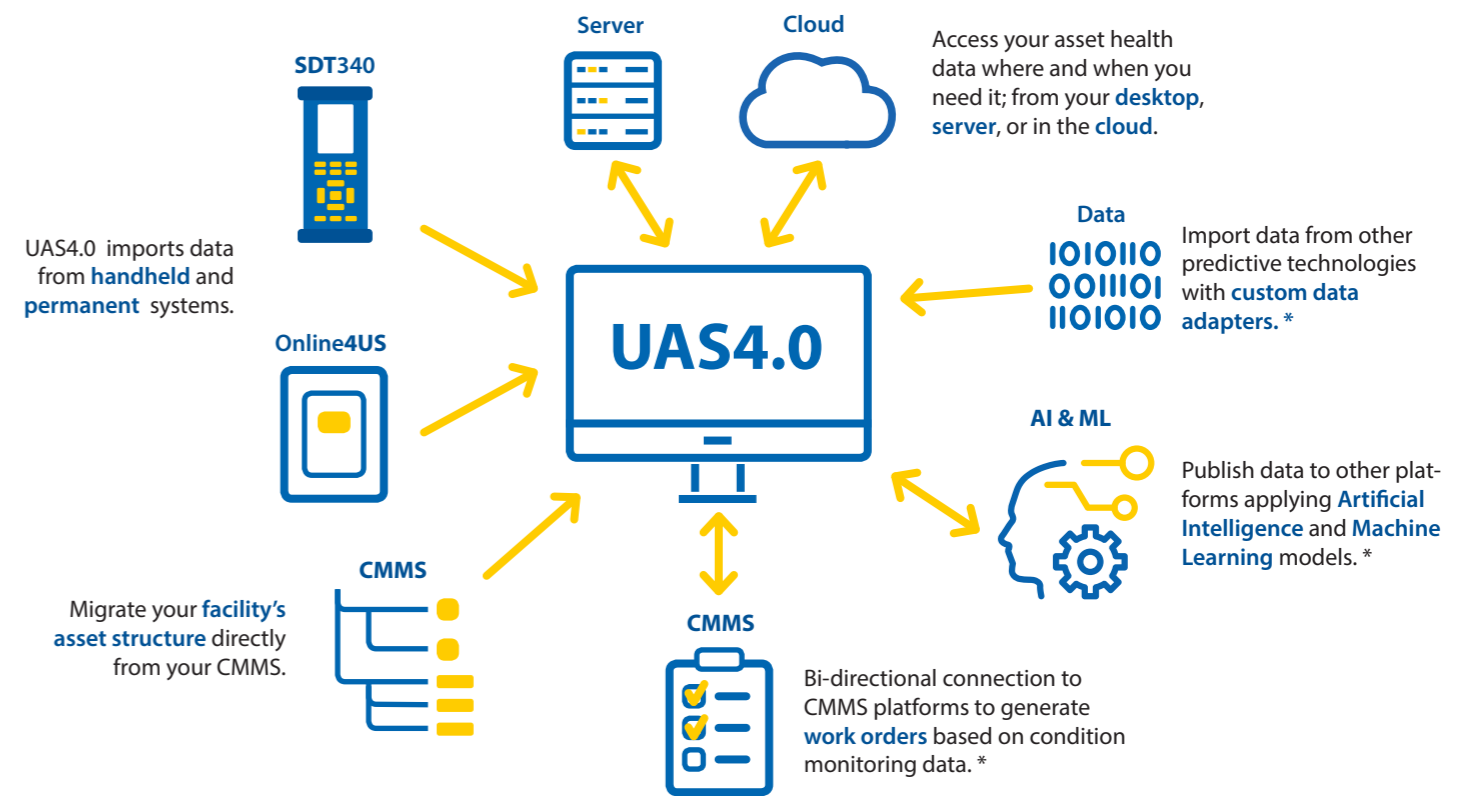
The **3.5" color display** gives you a crystal clear view in the darkest conditions.

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**.



\* On demand. Case-by-case.

## 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

## UAS VERSIONS



UAS Lite  
Free



UAS4.0 Standalone



UAS4.0 Server



UAS4.0 Cloud

Choose the UltrAnalysis Suite 4.0 configuration that best suits your needs.