

# ULTRAChecker

## CHECK EVERYTHING



**Dual Measure Mode.**  
Switch between static and live streaming with a single button push.

### Versatile

The SDT ULTRAChecker covers all airborne and structure-borne ultrasound applications. Connect any 2nd generation ultrasound sensor from SDT. ULTRAChecker delivers end-to-end reliability through the 8 application pillars of ultrasound.

### Simple

ULTRAChecker is the easiest to use detector we've ever created. Every push on its simple, 4-button keypad is displayed on its clear, colour display. Increase or decrease signal amplification while maintaining safe listening levels through volume-controlled headphones.

### Affordable

Air leaks, over-greased bearings, failed steam traps, the ULTRAChecker finds them all. Built with SDT quality, it's offered at a price that will leave you speechless.

Create leak reports fast with

 **LEAKReporter**



Download for free today



Ultrasound Solutions

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

# ULTRAChecker Features and Specifications

## Description

SDT ULTRAChecker is an ultrasound solution designed to use the full range of both airborne and structure-borne 2nd generation ultrasound sensors. ULTRAChecker supports end-to-end reliability through the 8 application pillars of ultrasound. SDT ULTRAChecker comes with our ULTRASense airborne sensor and the RS2T threaded sensor.

## Kit Contents

- SDT ULTRAChecker
- ULTRASense Sensor
- RS2T Threaded Sensor
- Curved Magnetic Foot
- 5.24 inch Needle assembly
- Sensor cable
- USB cable
- Headphones
- Screwdriver
- 2 AA batteries
- Carrying case



General	
Function	Ultrasound measurement device
Operable with	FlexID2, RS2N Needle, RS2T Threaded, AIRSense, ULTRASense
Measurement interface	1 channel via a 7 pin LEMO connector
Display	160x128 pixels Color OLED
Keyboard	5 function keys
Typical measurement range	-6 to 99.9 dB $\mu$ V (ref 0 dB = 1 $\mu$ V)
Resolution	0.1 digits
Measurement bandwidth	35 to 42 kHz
Signal amplification	+30 (built-in sensor gain) to +102 by step of 6 dB
RMS period time	250 milliseconds (main screen) / 3 sec (bar graph)
Sampling frequency	64 kHz/ksps
ADC Resolution	12 bits
Environmental	
Operating temperature range	-10 to +50 °C   14 to 122°F non-condensing
IP rating	IP42
Standards	EN 61326-1:2013, EN 55011:2016 + A1:2017, EN 61000-4-2:2009, EN 61000-4-3:2006 + A1:2008 + IS1:2009 + A2:2010
Mechanical	
Housing material	ABS
Dimensions housing	158x59x38.5 mm 6.22"x2.32"x1.51"
Weight	164g   5.78oz
Battery/Utility connector	USB Mini-B 5-pin
Power	
Battery	2 AA batteries
Autonomy	7 hours
Audio	
Operable with	SDT provided head set only
Maximum audio output (protection)	+83dB SPL with SDT headset
Headset	25dB NRR Peltor HQ headset

## The SDT Checkers Range: Ultrasound detectors for every application and budget.

**LEAKChecker:** Find compressed air and vacuum leaks.

**TRAPChecker:** Assess the condition of traps and valves.

**LUBEChecker:** Optimize bearing lubrication.

**TIGHTChecker:** Verify the tightness of closed volumes.

**HATCHChecker:** When hatch cover tightness matters.

**ULTRAChecker:** Check everything.



### SDT: leader in acoustic detection for industrial maintenance

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.



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The ULTRAChecker is part of the SDT product range that combines robustness and high performance. It is available through our worldwide authorized distributor network.