

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



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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	SDT FlexID2, SDT LUBESense1, SDT RS2 Threaded/Needle, SDT AIRSense, SDT ULTRASense, SDT PARADish2, RS2A (through electrical cabinet cover), ExtUsAmp (cable for external transducers only, since v 3.1.508)
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 dBµV RMS (ref 0 dB = 1 µV)
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/ksp
ADC Resolution	12 bits
Environmental	
Operating temperature range	-10 to +50 °C / 14 to 122 °F non-condensing
IP rating	IP42
Standards	EMC compliant (directive 2014/30/EU), ROHS compliant (directive 2011/65/EU), 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	164 g / 5.78 oz
Battery/Utility connector	USB Mini-B 5-pin
Power	
Battery	2 AA batteries
Autonomy	7 hours
Audio	
Operable with	SDT provided head set only
Headset	25dB NRR Peltor HQ headset
Maximum audio output	+83dB SPL with SDT 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.



VPOWER RELIABILITY Office:
No. 8 Nguyen Cuu Van st.
Gia Dinh Ward
Ho Chi Minh city, Vietnam

Contact
Phone: +84 28 3899 1096
Email : sales@vpower.com
Web : vpowerjsc.com

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