TRAPChecker

KEEP YOUR TRAPS SHUT

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

Focused

Inefficient steam systems waste energy and impact product quality. TRAPChecker is an ultrasound solution focused on finding failed steam traps. It works on every style of trap and failure mode.
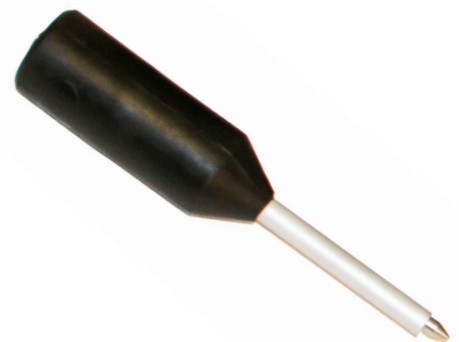
Simple

TRAPChecker is so easy to use. Simply open the box, connect the sensor, and hear the difference between a good and bad steam trap. Its vibrant colour display offers repeatable, accurate, digital measurements.

Affordable

As much as 40% of your steam traps could be operating in a failed state. The low entry cost of TRAPChecker and the high cost of energy, could see your investment recovered the first time you use it.

Needle contact sensor

Accurate, Robust, Repeatable

Ultrasound Solutions

sdtultrasound.com

Description

The TRAPChecker is an ultrasound solution designed to assess the condition of steam traps and valves. The TRAPChecker detects internal turbulence by defective steam traps and passing valves.

The TRAPChecker works with the RS2 Needle Contact Sensor.

TRAPChecker

Kit Contents

- TRAPChecker
- RS2 Needle Contact Sensor
- Sensor cable
- USB Cable
- Headphones
- Screwdriver
- 2 AA Batteries
- Carrying case

General	
Function	Ultrasound measurement device
Operable with	SDT RS2 Needle Sensor
Measurement interface	1 channel via a 7 pole LEMO connector
Display	160x128 pixels Color OLED
Keyboard	5 function keys
Measuring range	-6 to 99.9 dBµV (reference 0 dB = 1 µV)
Resolution	0.1 digits
Measurement bandwidth	35 to 42 kHz
Signal amplification	+30 dB (built-in sensor gain) to +102 dB 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
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	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
Headset	25 dB NRR Peltor quality heaphones

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.

HATCHecker: 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.

HEAR MORE
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