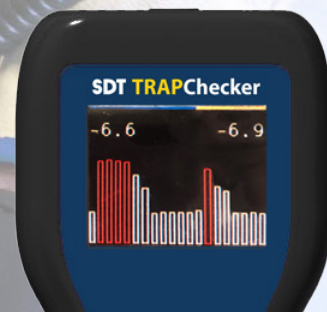


# TRAPChecker

## 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.

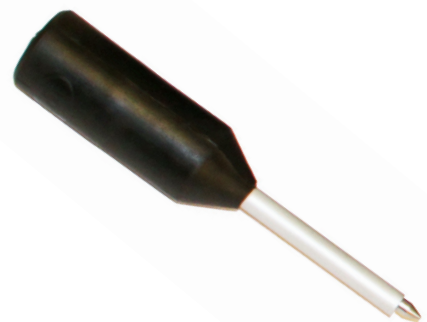
### Simple

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**



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# TRAPChecker features

## 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.

## 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                                                                                    |
| Maximum audio output (protection) | +83 dB SPL with SDT provided headset                                                                          |
| Headset                           | 25 dB NRR Peltor quality headphones                                                                           |

## 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.



**Ultrasound Solutions**

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