

# HATCHecker

WHEN HATCH COVER TIGHTNESS MATTERS



## Focused

Hatch cover leakage and wetting damage to cargo are a persistent problem in the marine industry. Confirm that hatch covers are weathertight and compliant with ruling regulations by using the new SDT HATCHecker which includes cutting edge technology that makes both the T9 transmitter and handheld receiver light, compact, robust and suitable for use in the harsh marine environment.

## Simple

The ergonomic and revolutionary design, vibrant colour display and limited number of keys make the SDT HATCHecker easy to use, handy for travellers and allows for reliable leak detection with pinpoint accuracy on board ships.

## Affordable

SDT's renowned quality and engineering, together with pioneering design and competitive price setting make the SDT HATCHecker the most suitable and affordable solution for dealing with leaky hatch covers.

Powerful transmitter fills any volume with ultrasound



## T-SONIC9

**HDS**  
MESSTECHNIK

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Ultrasound Solutions

# HATCHecker features

## Description

The HATCHecker is an ultrasound solution designed to test the integrity of vessels for weathertightness. Use HATCHecker to pinpoint the exact location of leaks in hatch covers. The HATCHecker works with SDT's ergonomic Flexible Sensor and the T-Sonic9 transmitter.

## Kit Contents

- HATCHecker
- T-Sonic9 + Remote control
- Shoulder strap
- Flexible Sensor (10mm)
- Handle (400mm)
- Sensor cable
- USB Cable
- Headphones
- Screwdriver
- 8 AA Batteries
- Carrying case
- Manual



General	
Function	Ultrasound measurement device
Display	160x128 pixels Color OLED
Keyboard	5 function keys
Measuring range	-6 to 99.9 dBμV (reference 0 dB = 1 μV)
Resolution	0.1 dBμV
Measurement bandwidth	35 to 42 kHz
Signal amplification	+30 to +102 by step of 6 dB
Response time	<9 milliseconds
Minimum sensitivity	-31dB (@40 kHz, 0 dB-1 V/μbar) Egal to a flow rate up to 10 <sup>-3</sup> std. cm <sup>3</sup> /sec.
Environmental	
Operating temperature range	-10 to +50 °C   14 to 122°F
IP rating	IP42
Mechanical	
Housing material	ABS
Dimensions housing	158x59x38.5 mm   6.22"x2.32"x1.51"
Weight	164g   5.78oz
Electrical connector	7-pole female LEMO
Power	
Battery	2 AA batteries
Autonomy	7 hours
Audio	
Amplification	5 adjustable positions in steps of 6 dB
Operable with	SDT provided head set only
Maximum output	+83dB SPL with SDT headset
Headset	25dB NRR Peltor HQ headset

## The SDT Checkers range :

Ultrasound detectors that solve four major reliability problems.

**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** : Test the integrity of vessels for weathertightness.



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