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
Franz-Kissing-Straße 7
58706 Menden
Tel.: 02373 / 1341
Fax: 02373 / 2488
info@hds-messtechnik.de
www.hds-messtechnik.de
The HATCheker is part of the SDT product range that combines robustness and high performance. Use HATCheker to pinpoint the exact location of leaks in hatch covers. The HATCheker works with SDT’s ergonomic Flexible Sensor and the T-Sonic9 transmitter.

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

**Features**

<table>
<thead>
<tr>
<th>Description</th>
<th>Kit Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Features</strong></td>
<td><strong>Kit Contents</strong></td>
</tr>
<tr>
<td>Ultrasound measurement device</td>
<td>HATCheker</td>
</tr>
<tr>
<td>Color OLED</td>
<td>T-Sonic9 + Remote control</td>
</tr>
<tr>
<td>5 function keys</td>
<td>Shoulder strap</td>
</tr>
<tr>
<td>-6 to 99.9 dBµV (reference 0 dB = 1 µV)</td>
<td>Flexible Sensor (10mm)</td>
</tr>
<tr>
<td>0.1 dBµV</td>
<td>Handle (400mm)</td>
</tr>
<tr>
<td>35 to 42 kHz</td>
<td>Sensor cable</td>
</tr>
<tr>
<td>+30 to +102 by step of 6 dB</td>
<td>USB Cable</td>
</tr>
<tr>
<td>&lt;9 milliseconds</td>
<td>Headphones</td>
</tr>
<tr>
<td>-31dB (@40 kHz, 0 dB-1 V/µbar)</td>
<td>Screwdriver</td>
</tr>
<tr>
<td>Egal to a flow rate up to 10^-3 std. cm³/sec.</td>
<td>8 AA Batteries</td>
</tr>
</tbody>
</table>

**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^-3 std. cm³/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.
- **HATCheker**: 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.

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