LD 500/510 - Leak detector with camera - indicates leakage rate in l/min and costs in €

The LD 500 meets the requirements of Class 1 Standard Test Method for Leaks with ultrasound (ASTM Int. - E1062-9).

Find out your leak rate (l/min) and potential saving (€/year)

Find the smallest leaks in far distance

Auto level: adapts the sensitivity automatically to the environment and eliminates the ambient noise reliably

Photograph leaking parts

Describe the leak and necessary actions

Transmit the leak details via USB to your desktop software

Create an ISO 50001 report

Seek the leak the whole day (9 hours)

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Leak size - Diameter (mm)</th>
<th>0.5 mm</th>
<th>1.0 mm</th>
<th>1.5 mm</th>
<th>2.0 mm</th>
<th>2.5 mm</th>
<th>3.0 mm</th>
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<tbody>
<tr>
<td>3 bar</td>
<td></td>
<td>90 €</td>
<td>361 €</td>
<td>812 €</td>
<td>1.444 €</td>
<td>2.256 €</td>
<td>3.248 €</td>
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<tr>
<td>4 bar</td>
<td></td>
<td>113 €</td>
<td>451 €</td>
<td>1.015 €</td>
<td>1.805 €</td>
<td>2.820 €</td>
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<td>5 bar</td>
<td></td>
<td>135 €</td>
<td>541 €</td>
<td>1.218 €</td>
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<tr>
<td>6 bar</td>
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<td>158 €</td>
<td>632 €</td>
<td>1.421 €</td>
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<td>3.948 €</td>
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<td>180 €</td>
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<td>812 €</td>
<td>1.827 €</td>
<td>3.248 €</td>
<td>5.076 €</td>
<td>7.309 €</td>
</tr>
</tbody>
</table>

Table: Leakage costs within one year in case of operation 24 h/365 days, calculated with compressed air costs of 1.9 ct/Nm³.
Leakage

LD 500/510 is a consistent advancement

The new leak meters LD 500/510 with integrated camera and leakage calculation are ideal measuring instruments which help to find and document even smallest leakages (0.1 l/min corresponds to approx. 1 € per year) easily even in far distances.

LD 510 is the worldwide first leak meter with an additional freely assignable sensor input for all CS sensors. In addition to the leakage measurement and detection also all necessary measurements with regards to dew point, flow, pressure, and temperature ... can be carried out.

Accessories

Acoustic trumpet
bundles the acoustic waves of smallest leakages, disturbing ambient noise will be eliminated

Focus tube with focus tip
for precise locating of smallest leakages in narrow areas

Optionally available:
Gooseneck enables a positioning of the leakage on the spot – even in case of hardly accessible locations. Noise is hidden.

Parabolic mirror:
for leak detection at long distances. Laser pointer and camera integrated.

Leak detection at:
- Compressed air, gas, steam and vacuum systems
- Steam Traps
- Seals

Separate input for external CS sensors (only in case of LD 510)

The noise-proof headset enables the leak detection also in EXTREMELY loud ambient. The ambient noise will be faded out, the leakage (inaudible ultrasonic sound) will be transformed to an audible signal. The laser grants an exact locating.