

TECHNICAL DATA SHEET

SK3VLD-1

Industrial vacuum leak detector



Numerous preventive maintenance tasks for leak detections can be handled quickly and efficiently with the SONAPHONE Pocket. Lower your energy costs and increase your operational safety with the most compact testing device of the SONAPHONE series.

Advantages of device:

- Find leaks and save energy
- Compact design
- Easy to use
- Extensive accessories for a wide range of applications

The ultrasonic testing device is used for:

- Vacuum leak localization by creation of the vacuum bag,
- Leak detection with compressed air, gas and vacuum systems,
- Providing evidence of partial electrical discharges where there is insulation damage,
- Functional testing of steam traps and valves
- Tightness testing of unpressurised systems.

The compact testing device is designed to fit in any pocket. However, its robust construction means it is also appropriate for harsh industrial environments.

The SONAPHONE Pocket is supplemented by extensive accessories in the form of airborne and structure-borne sound probes. You will receive the appropriate probe for your application from our product range, which you can attach to the device with just one simple movement.

You do not need much time or expensive training in order to perform the test procedure. The testing device makes the ultrasonic signals audible and shows them on a digital display at the same time. The SONAPHONE Pocket – easy to handle and very effective.

This product is used in various manufacturing processes of parts made of polymer composite materials.



OVERVIEW

SK3VLD-1BASIC / SONAPHONE POCKET – Basic Set

Consisting of: SONAPHONE Pocket, noise protected stereo headphones with coiled cable, transport case, lanyard, batteries, user documentation.



SK3VLD-1LDS / SONAPHONE POCKET – Leak Detection Set

Consisting of: airborne sound probe L 50, directional tube with tip, acoustic horn for airborne sound probe L 50, leak tags (25 pcs.), noise protected stereo headphones with coiled cable, transport case, lanyard, batteries, user documentation.

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PRESENTATION OF COMPACT ULTRASONIC TESTING DEVICE FOR PREVENTIVE MAINTENANCE WITH ACCESSORIES



Airborne probe for quick and easy leak detection on compressed air, gas and vacuum systems

At 85 x 130 x 30 mm the SONAPHONE Pocket fits into any jacket pocket



Slot for airborne and structure-borne probes – perfect for different applications

Digital display of the ultrasonic level – rapid assessment of condition of machines and systems

Gathering the maximum value at a glance

Robust construction – ideal for harsh testing environments

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TECHNICAL DATA	VALUE
Transmission frequency	40 kHz, bandwidth +/- 2 kHz
Functionality	Detection of ultrasonic signals: Makes the ultrasonic signals audible and shows them on a digital display; Auto-power-off-function
Display	LC-Display with illuminated background
Connections	For different ultrasonic probes Stereo jack socket
Power supply	2 AA batteries or accumulators
Operating time	Approx. 24 h
Operating temperature	-10 °C ... +60°C
Storage temperature	-20 °C ... +60°C
Protection class	Device: IP54; Probe: IP20
Accessories of Basic Set	Headphones, carrying strap, carrying case, instruction manual

SIZE

WEIGHT OF DEVICE	SIZE OF THE DEVICE
280 g	85 x 130 x 30 mm

OPTIONAL ACCESSORIES







NAME	APPLICATION	PICTURE
SK3VLD-1L50SET Leak detection set: airborne sound probe L50, directional tube with tip, acoustic horn, 25 leak tags	detection of vacuum leakage	
SK3VLD-1L50 Air-borne probe L 50 for SONAPHONE Pocket	leak detection, proof of seal failures	

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<p>SK3VLD-1L51 Contact Probe L 51 for SONAPHONE Pocket</p>	<p>inspection of valves, slide and safety valves</p>	
<p>SK3VLD-1L52 Contact Probe L 52 for SONAPHONE Pocket</p>	<p>testing of steam traps, inspection of rotating machines</p>	
<p>SK3VLD-1L53 Flexible air-borne sound probe L 53 for SONAPHONE Pocket</p>	<p>leak detection at places, difficult to access</p>	
<p>SK3VLD-1L55 Parabolic Dish SONOSPOT for SONAPHONE Pocket</p>	<p>precise detection of leaks or partial discharges over long distances</p>	
<p>SK3VLD-1L54 Spherical Transmitter SONOSPHERE for SONAPHONE T. Accessories: stand, magnetic and suction holder</p>	<p>leak testing of cabins and containers (in combination with SONAPHONE T and SONAPHONE Pocket)</p>	
<p>SK3VLD-1TV2 SONAPHONE T Adjustable Ultrasonic Transmitter</p>	<p>Reliable Detection of Leaks</p>	

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