



TECHNICAL DATA SHEET

SK3VLD-1

Vacuum leak detector

► DESCRIPTION

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.



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► OVERVIEW

SONAPHONE POCKET – Basic Set

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



SONAPHONE POCKET – Leak Detection Set

Consisting of: SONAPHONE Pocket, 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.



Application Set Leak Detection

Consisting of: airborne sound probe L 50, directional tube with tip, acoustic horn, leak tags (25 pcs.)

► 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

► TECHNICAL DATA

Transmission frequency:
Functionality:

40 kHz, bandwidth +/- 2 kHz
Detection of ultrasonic signals: Makes the ultrasonic signals audible and shows them on a digital display;
Auto-power-off-function



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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 devise	Size of the devise
280 g	85 x 130 x 30 mm

► NOTE

Optional accessories





Name	Application	Picture
Leak Detection Set for SONAPHONE Pocket incl. airborne sound probe, directional tube with tip, acoustic horn	detection of vacuum leakage	
Air-borne probe L 50 for SONAPHONE Pocket	leak detection, proof of seal failures	
Contact Probe L 51 for SONAPHONE Pocket	inspection of valves, slide and safety valves	



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Contact Probe L 52 for SONAPHONE Pocket	testing of steam traps, inspection of rotating machines	
Flexible air-borne sound probe L 53 for SONAPHONE Pocket	leak detection at places, difficult to access	
Parabolic Dish SONOSPOT for SONAPHONE Pocket	precise detection of leaks or partial discharges over long distances	
Spherical Transmitter SONOSPHERE for SONAPHONE T Accessories: stand, magnetic and suction holder	leak testing of cabins and containers (in combination with SONAPHONE T and SONAPHONE Pocket)	
SONAPHONE T Adjustable Ultrasonic Transmitter	Reliable Detection of Leaks	