

ACOUSTICAL LEAKAGE SEARCH AT CONCEALED PLACES

THE MULTITALENT

HEATING
SANITARY
AIR-CONDITIONING
VENTILATION



SONAPHONE UH

*fast
safe
inexpensive*

SONAPHONE UH

acoustical leakage search with acoustic and ultrasound

Using the SONAPHONE UH smallest leaks and leakages in pressurized systems can be detected in heating, sanitary, air-conditioning and ventilation plants.

The device is suited especially for leakage search in pipelines at concealed places.

When leakages f. e. in a floor heating or water pipelines behind tiled floors have to be found very fast, the respective system is to drain and to admit with compressed air or nitrogen.

Already by an overpressure of 2 - 3 bar the floors or the tiled floors can be scanned sectional using the ultrasonic microphone.

The medium escaping through the leak generates noises and so signalises the leakage.

The costs of leakage removal are obviously cut, because only the defect part has to be opened.

With SONAPHONE UH the leakage information can be evaluated in acoustic field as well as in high-frequently range of ultrasound.

Searching smaller leakages this is a good advantage, because ultrasound has a better directive efficiency than acoustic noises.

The sound absorbing head phones allow the operation also with ambient noises.

Connecting additional impact sound probes equipment and steam traps can be checked.

By means of ultrasonic air sensors it is possible to detect compressed-air leakages in a simple and fast way.

TECHNICAL DATA

Connection to	Ground sound probe Ultrasonic microphone Impact sound probe
Optical display of ultrasonic intensity	LED-barograph, 10 steps
Digital display of ambient noises	LCD-display with 0 - 120 scale graduation (like dB)
Acoustical playback	Sound absorbing head phones, strong absorbing of ambient noises
Voltage supply with automatic power-off-function	4 x batteries AA
Operation	about 10 hours
Dimensions	195x100x40 mm
Weight	550 g
Operating temperature	0 °C to + 40°C
Storage temperature	-10 °C to + 50°C
MODE change-over	acoustic and ultrasound



SONAPHONE UH with head phones and ground microphone in the small set. Ideal, because change-over in two acoustic and ultrasound