SONAPHONE-Family

PRODUCT OVERVIEW
PREVENTIVE MAINTENANCE

- ▼ LEAK DETECTION AND CLASSIFICATION
- ▼ CONDITION MONITORING OF MACHINERY
- ▼ STEAM TRAP INSPECTION
- ▼ VALVE INSPECTION
- ▼ TIGHTNESS TESTING
- ▼ DETECTION OF PARTIAL DISCHARGES

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Ingelco

Ingeniería Eléctrica y Confiabilidad
Distribuidor Autorizado para Panamá

https://www.ingelco.com/

Our SONAPHONE-Family

SONAPHONE

The new SONAPHONE extends the product range of SONOTEC with a digital ultrasonic testing device including touchscreen technology. This device for maintenance 4.0 is a hit with users thanks to apps that are intuitive to operate and opens up new domains of application in connection with innovative sensors.

SONAPHONE *Pocket*

The compact ultrasonic testing device SONAPHONE *Pocket* is characterized by an optimal price–performance ratio. The smallest testing device of the SONAPHONE family is intuitive to use and is applied primarily for leak detection on compressed air, gas and vacuum systems in preventive maintenance.

SONAPHONE E

Due to its intrinsically safe construction, the SONAPHONE E is suitable for the use in the most hazardous areas and potentially explosive atmospheres. For maintenance staff on fixed offshore platforms, in petrochemical plants and other areas where a potentially explosive atmosphere may be present, the ultrasonic testing device is an essential part for numerous inspection tasks.

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SONAPHONE
Digital ultrasonic testing device for maintenance 4.0

SONAPHONE *Pocket*
The smallest testing device of the SONAPHONE-family

SONAPHONE E
ATEX certificated for the use in areas with risk of explosion

SONAPHONE
Digital Testing Device for Maintenance 4.0

Discover the New Device Class from SONOTEC

The digital ultrasonic testing device combines novel sensors and software that can be operated intuitively for preventive maintenance. Innovative airborne and structure-borne sound sensors that can be connected to the multi-function testing device with just one simple motion, pave the way for new domains of use. The mobile handheld device is operated via touchscreen and is the ideal companion throughout the entire test procedure. Besides test values and spectrograms, it is also possible to store photographs, voice memos and comments relating to the measuring points. With only a few clicks you receive a test report and can prove management your contribution to energy efficiency and process optimization.

Applications

- ✓ Leak detection and classification on compressed air, gas and vacuum systems
- ✓ Tightness testing of unpressurized systems
- ✓ Detection of partial discharges
- ✓ Condition monitoring of machinery
- ✓ Steam trap and valve inspection

Advantages

- ✓ Intuitive thanks to touchscreen technology
- ✓ Robust housing
- ✓ Broadband ultrasonic analysis from 20 to 100 kHz
- ✓ Store test data and spectrograms
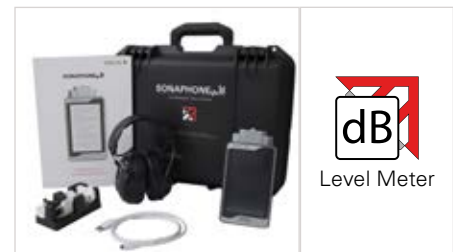- ✓ Create test reports with just a few clicks

SONAPHONE〰|||

SONAPHONE
Digital Testing Device for Maintenance 4.0

SONAPHONE Basic Set

Consisting of: digital ultrasound testing device
SONAPHONE, software LevelMeter, peltor
headphones, peli case, international power sup-
ply, user documentation
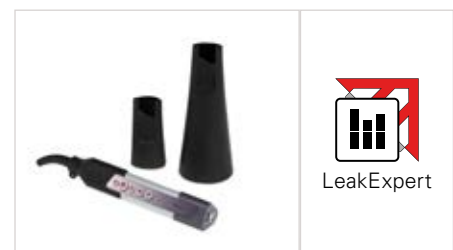Item Number: 700 01 0293

Level Meter

Sensor Set Airborne Sound

Consisting of: airborne sound sensor BS10,
attachments: precise locator BS10-1, small
acoustic horn BS10-2, large acoustic horn
BS10-3, user documentation
Item Number: 700 01 0294

Application Set LeakExpert

Consisting of: airborne sound sensor BS10,
LeakExpert App, attachments: precise locator
BS10-1, small acoustic horn BS10-2, large acou-
stic horn, BS10-3, user documentation
Item Number: 700 01 0295

LeakExpert

Upgrade LeakExpert

Consisting of: LeakExpert App,
user documentation
Item Number: 600 01 0046

Parabolic Sensor BS30

Consisting of: parabolic sensor BS30,
transport case
Item Number: 700 01 0328

Sensor Set Structure-Borne Sound & Temperature

Consisting of: broadband structure-borne sound
& temperature sensor BS20, short waveguide
22 mm BS20-1, long waveguide 150 mm BS20-
2, magnetic waveguide BS20-3, set of keys for
changing the waveguides, user documentation
Item Number: 700 01 0284

DataViewer for LevelMeter App

PC software (Windows 7 and later version) for
LevelMeter visual presentation of sound levels,
time signals and spectrograms.
Item Number: 600 01 0043

Protection Set

Consisting of: protective cover for the housing,
protective foil for the display, carrying strap
Item Number: 700 01 0283

Service	Item Number
Recalibration of BS10/BS20/BS30	900 02 0027
Hard- and Software check up	900 02 0028

Spare Parts	Item Number
SONAPHONE digital ultrasonic testing device	700 01 0301
SONAPHONE sensor cable	800 01 0049
Airborne sound sensor BS10	200 01 0299
Precise locator BS10-1	700 01 0296
Small acoustic horn BS10-2	400 01 0145
Large acoustic horn BS10-3	400 01 0148
Structure-borne sound & temperature-sensor BS20	200 01 0300
Short waveguide 22 mm BS20-1	300 01 0099
Long waveguide 150 mm BS20-2	300 01 0098
Magnetic waveguide BS20-3	300 01 0097
Set of keys for structure-borne sound & temperature sensor	500 01 0097
International power supply	400 01 0136
Pelican transport case	400 01 0137
Peltor capsule ear protection headphone	400 01 0138
Peltor capsule ear protection headphone (helmet version)	400 01 0160
Audio cable for Peltor capsule ear protection headphone	400 01 0139
Protective cover for the housing	400 01 0152
Protective display foil	400 01 0152
Carrying strap	400 01 0153
Lashing lug (incl. screw)	400 01 0154
High capacity battery with double battery life	026 00 0067
Standard Battery	026 00 0046
Carrying case for BS30	400 01 0173
BS30 (without carrying case)	200 01 0309
Parabolic dish (spare part for BS30)	025 00 0154
Red dot sight (spare part for BS30)	001 06 0038

SONAPHONE *Pocket*
The Smallest Testing Device of the SONAPHONE-Family

Compact Design for Your Pocket

With the SONAPHONE *Pocket* you identify problems even before they arise and create value at all levels of your company. Numerous preventive maintenance tasks can be handled quickly and efficiently with the compact ultrasonic testing device from SONOTEC. Find leaks in compressed air, gas and vacuum systems and lower your energy costs. Detect bearing damage and avoid downtimes. Provide evidence for electrical insulation damage and increase your operational safety. The SONAPHONE *Pocket* is easy to handle and very effective.

Applications

- ✓ Leak detection on compressed air, gas and vacuum systems
- ✓ Tightness testing of unpressurized systems
- ✓ Detection of partial discharges
- ✓ Condition monitoring of machinery

Advantages

- ✓ Compact design for your pocket
- ✓ Easy to handle
- ✓ Illuminated display
- ✓ Extensive accessories allow versatile options for use

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SONAPHONE *Pocket*
The Smallest Testing Device of the SONAPHONE-Family

SONAPHONE *Pocket* - Basic Set

Consisting of: SONAPHONE *Pocket*,
noise protected stereo headphones with coiled
cable, transport case, lanyard, batteries,
user documentation
Item Number: 700 01 0279

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
Item Number: 700 01 0277

Application Set Leak Detection

Consisting of: airborne sound probe L 50,
directional tube with tip, acoustic horn,
leak tags (25 pcs.)
Item Number: 700 01 0280

Airborne Sound Probe L 50

For leak detection, tightness testing and
detection of partial discharges
Item Number: 100 01 0336

Structure-borne Sound Probe L 51

For valve inspection
Item Number: 100 01 0149

Structure-borne Sound Probe L 52

For testing of progression and abrasions
of bearings
Item Number: 100 01 0150

SONAPHONE *Pocket*
The Smallest Testing Device of the SONAPHONE-Family

Flexible Airborne Sound Probe L 53

For pipes difficult to access
Item Number: 100 01 0151

SONOSPOT L 55

Parabolic probe to pinpoint leakages precisely
over long distances and to localize electrical
partial discharges
Item Number: 100 01 0350

Service	Item Number
Recalibration of SONAPHONE Pocket and one probe	900 02 0029

SONAPHONE E
For the Use in Areas with Risk of Explosion

ATEX Certificated

Due to its intrinsically safe construction, the SONAPHONE E is suitable for the use in the most hazardous areas and potentially explosive atmospheres. For mainte-nance staff on fixed offshore platforms, in petrochemical plants and other areas where a potentially explosive atmosphere may be present, the ultrasonic testing device is an essential part for numerous inspection tasks.

Applications

- ✓ Leak detection on compressed air, gas and vacuum systems
- ✓ Tightness testing of unpressurized systems
- ✓ Detection of partial discharges
- ✓ Condition monitoring of machinery
- ✓ Steam trap and valve inspection

Advantages

- ✓ Approved for potentially explosive atmospheres
- ✓ Integrated data logger
- ✓ Data transfer between device and computer
- ✓ Temperature measurements up to 800 °C
- ✓ Fast amortisation
- ✓ Robust housing

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SONAPHONE E
For the Use in Areas with Risk of Explosion

SONAPHONE E Basic Set

Consisting of: SONAPHONE E (Ex ia IIC T4
Gb resp. Ex ia IIB T4 Ga according to ZELM
03 ATEX 0130X), head phone (high sound
deadening), carrying strap, transport case,
user documentation
Item Number: 700 01 0167

Application Set Leak Detection

Consisting of: airborne sound probe L 60,
directional tube with tip, acoustic horn, leak
tags (25 pcs.), extension cable 30 cm
Item Number: 700 01 0168

Application Set Steam Trap Testing

Consisting of: structure-borne sound probe
L 62 with stainless steel tip, surface
temperature sensor (Tmax = 800°C), extension
cable for temperature sensor
Item Number: 700 01 0169

Structure-borne Sound Probe L 61

For valve inspection
Item Number: 100 01 0020

Structure-borne Sound Probe L 62

For condition monitoring of machinery
Item Number: 100 01 0018

Flexible Airborne Sound Probe L 63

For pipes difficult to access
Item Number: 100 01 0021

SONAPHONE E Communicator

SONAPHONE E Communicator; incl. USB
cable and software for data transfer to
the PC (on CD)
Item Number: 600 01 0008

Service	Item Number
Recalibration of SONAPHONE E and one probe	900 02 0030

SONAPHONE T and UT10
Ultrasonic Transmitters for the Reliable Detection of Leaks

Tightness Testing of Unpressurized Systems

The mobile ultrasonic transmitters SONAPHONE T and UT10 are designed for the rapid and reliable detection of seal failures on windows, doors, cabins, vehicles and containers. Used in addition with an ultrasonic receiver from the SONAPHONE series, the ultrasonic transmitters enables efficient tightness testing. The advantage of the method lies in how simple it is to handle. The transmitter emits ultrasound that passes through leaks and gaps of the test object. By using a SONAPHONE testing device these signals can be detected accurately from outside the object. For large and awkwardly-shaped areas the SONOSPHERE combined with the SONAPHONE T can be used.

Applications

Tightness Testing:
- ✓ Of road and railed vehicles
- ✓ In ship and aircraft building
- ✓ Of fire doors and climate cabinets
- ✓ On doors and windows
- ✓ Of pipe systems and containers
- ✓ Of clean rooms

Advantages

- ✓ Modulation of transmission signal
- ✓ Adjustable sound intensity
- ✓ Easy to handle, without costly jigs
- ✓ Robust and ergonomic design
- ✓ Cost-effective method

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SONAPHONE T & SONOSPHERE
Ultrasonic Transmitter for the Reliable Detection of Leaks

SONAPHONE T & SONOSPHERE SET

Consisting of: SONAPHONE T V2.0,
SONOSPHERE spherical transmitter L 56 with
magnetic- and suction cup holder,
batteries, lanyard keychain, tripod,
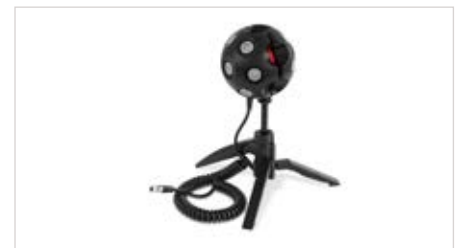bag with carrying strap, user documentation
Item Number: 700 01 0143

SONAPHONE T V2.0

Ultrasonic transmitter with adjustable intensity
to detect defect seals in conjuction with L 50 or
L 56 (not for use in areas with risk of explosion)
Item Number: 200 01 0201

SONOSPHERE L 56

Spherical transmitter for SONAPHONE T V2.0
Item Number: 100 01 0237

Airborne Sound Probe L50

As transmitter for SONAPHONE T V2.0
Item Number: 100 01 0336

Ultrasonic Transmitter UT10

Ultrasonic transmitter with adjustable intensity
to detect defect seals (not for use in areas with
risk of explosion)
Artikelnummer: 200 01 0319

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