SONOTEC

Ultrasonic Testing Device

SONAPHONE® E

for use in hazardous areas

MADE IN GERMANY

Preventive Maintenance

Save Energy and Minimize Downtime

- → **Increase operational safety:** Detect partial electrical discharge, identify blocked steam traps, and detect leaking gases
- → **Save energy:** Locate leaks in compressed air, gas and vacuum systems; identify leaking steam traps
- → **Minimize downtime:** Detect damage to machinery and bearings early

Applications

- → Leak detection on compressed air, gas and vacuum system
- → Condition monitoring on bearings
- → Detection of partial discharge on electrical equipment
- → Valve inspection on various types of valves
- → Leak testing of unpressurized systems
- → Steam trap testing

Probes for Various Testing Tasks

- Airborne sensors for leak detection on compressed air, gas and vacuum systems; for the detection of electrical partial discharge as well as for leakage testing of unpressurized systems
- Structure-borne sensors for condition monitoring of roller bearings as well as for steam trap testing and valve inspection

Airborne Sensor L60
For leak detection on compressed air, gas and vacuum systems

Structure-Borne Sensor L62
For steam trap testing and bearing inspection

Airborne Sensor L63
For leak detection in hard-to-reach places

Structure-Borne Sensor L61
For testing of valves and fittings

Temperature Sensor
For surface temperatures up to 800 °C

For Use in Ex-Proof Areas

Airborne sensor for leak detection on compressed air, gas and vacuum systems

Slot for airborne and structure-borne sound probes

Attachment for carrying strap

Ultrasonic test value

USB interface

ATEX certified

Slot for tempera-ture sensor

Mixing frequency

Rotary knob with integrated push button

Robust design

SONAPHONE Communicator
PC Software for reading and managing single and ling time tests

ATEX Certified
For use in potentially explosive atmospheres; **Ex ia IIC T4 Gb or Ex ia IIB T4 Ga**

Accessories for Numerous Applications

- Range of airborne and structure-borne probes
- Carrying case
- Headphones with high sound attenuation
- Directional tube with tip
- Acoustic horn
- Leak tags

Technical Data

General Data	
Operating Frequency	20 kHz ... 60 kHz in 2 kHz increments
Measurement Resolution	0,05 dBµV
Accuracy	+/- 0,5 dBµV
Functionality	Detection and conversion of ultrasonic signals: Indication of the sound level on the display
Display	Illuminated graphic display
Connectors	For various ultrasonic probes; mono jack socket; temperature sensor, USB 2.0
Power Supply	5 AAA batteries (R6) for approx. 8 operating hours
Temperature measuring range	0 °C ... 800 °C
Dimension (L × W × H)	190 mm × 110 mm × 85 mm
Weight	Approx. 600 g
Housing	Shock-proof plastic with wipe-resistant membrane keypad
Environment temperature	0 °C ... +40 °C
Storage temperature	-10 °C ... +50 °C
Explosion protection	Ex ia IIC T4 Gb or Ex ia IIB T4 Ga
Accessories	Probes, headphones, PC software, carrying strap, carrying case

A quick overview in 3 minutes?
Videos about our SONAPHONE devices can be found online at www.sonotec.de or at our youTube channel.

www.youtube.com/SONOTECGmbH

Contact and Support

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