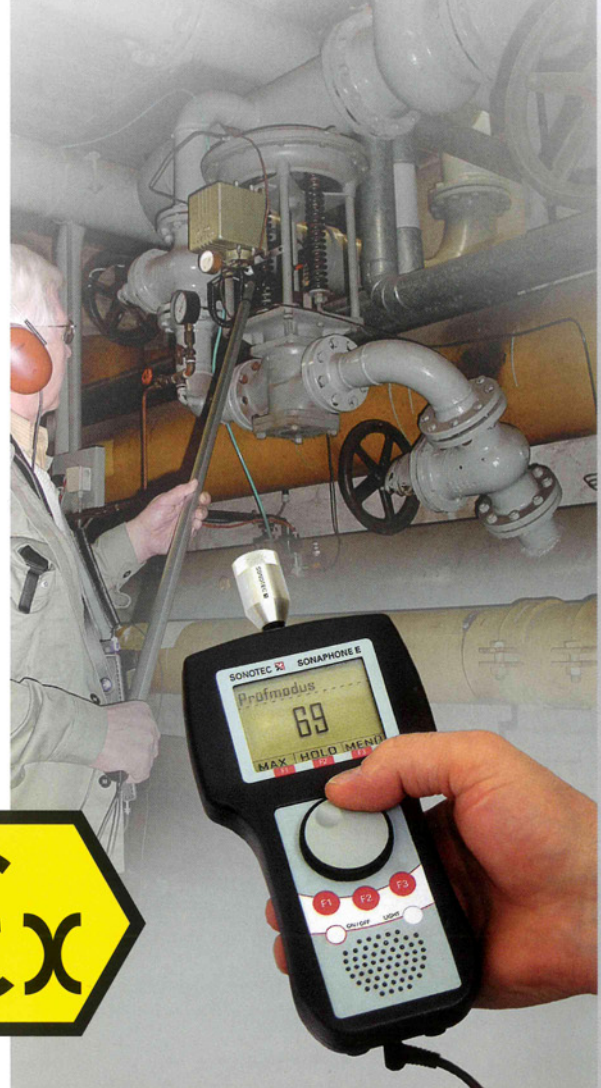


# FITTING SEAL INTEGRITY

# LEAK DETECTION

# BEARING DIAGNOSTICS



**SONAPHONE E**  
Ultrasonic detector

SONOTECH 

*User friendly*  
*Quick response time*  
*Reliable*  
*Low cost*



# SONAPHONE E

## The early warning system

### Diagnose areas of potential concern to eliminate unscheduled downtime!

- The SONAPHONE E is an early warning system. Faults in any machinery can be detected by ultrasonic signals – very early before the damage occurs!
- Identifying the exact location of a fault with the SONAPHONE E enables a quick reaction time, preventing major damage, expensive repair, minimal disturbance of the production process.

#### Verify seals of fittings, valves, gates or condenser drains

- The fast and easy operation of the SONAPHONE E saves time, material, energy and reduces the loss of condensates.
- Leaking fitting seals can be detected at an early stage.

#### Early wear detection of ball bearings

- Easy detection of developing faults in bearings during operation by use of body sound detection.

### Reduces operating costs for your facilities!

#### Leak detection of compressed-air systems or gas and vacuum facilities

- Compressed-air is a conservation-conscious form of energy but leakages within the system usually fast developing and increases long term energy costs.
- Actual operations have shown that: the periodic removal of leaks in a compressed-air system reduces the energy costs by more than 30%!

## TECHNICAL DATA

Sensor frequency:	40 kHz
Plugs:	ultrasonic sensors, temperature sensor, headphones, USB, battery charger
Current supply:	internal accumulators for about 8 h of operation
Additional functions:	memory for 1000 test data, menu guidance, integrated speaker, portable leather bag, transportation case
Accessories:	flexible ultrasonic sensor, body sound sensor, waterproof probe, telescopic-prolongation for sensors
Housing:	shock-proof plastic with wipe-resistant keyboard (foil)
Dimensions:	190x110x85 mm
Weight:	ca. 600 gramme



First signs of wear in sliding or rolling bearings are easily detected using body sound detection technology.



Intrinsically safe, can be used in Hazardous areas (Ex-Zones: device category II 2 G)

#### Further highlights:

##### PC-interface

The SONAPHONE E contains a digital data memory and has an infrared PC interface. Special custom supplied software organizes the data transfer and analysis.

##### Easy operation

The intuitive menu and the simple functioning of the device enables accurate measurements and stress free operation with minimal effort.

##### Temperature measurement

Range: 0° to 300° C (32°F – 572°F)



Picture above: Leak detection by an air sound detector

Pictures below: a telescope bar offers a wide range for location of leaks (maximum length 3 m 9.8 feet); large mobility by using a flexible probe

