



ULTRASONIC TESTING DEVICE

SONAPHONE E

FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

MADE IN GERMANY

SONOTECH 

ULTRASONIC TESTING DEVICE 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. In addition to the reliable location of compressed air and gas leaks, the multi-

purpose device is also suitable for tightness testing of various systems, wear control on rotating machinery and providing evidence of partial electrical discharges where there is insulation damage. The checking of steam traps and valves is another application covered by the handheld device. Continuous leak detection and rectification make a significant contribution to energy saving. In addition, testing machinery using the SONAPHONE E gives indications of where preventive maintenance work should be carried out to avoid greater damage, ensure safety and machine availability, even in the most dangerous areas of your plant.

PRODUCT FEATURES

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

FIELDS OF APPLICATION

- ✔ Leak detection
- ✔ Tightness testing
- ✔ Valve inspection
- ✔ Steam trap inspection
- ✔ Bearing monitoring and lubrication
- ✔ Detection of partial discharges

TECHNICAL DATA

Operating Frequency	20-60 kHz width 2 kHz increments
Connections	Ultrasonic sensors, Temperature sensor, Headphones, USB 2.0
Power Supply	5 x R6 batteries for about 8 operating hours
Additional Functions	Internal data storage of 20 000 test values, Menu control, Built-in speaker
Measurement range	0 ... 800 °C
Dimensions	LWH 190 x 110 x 85 mm
Weight	Approx. 600 g
Display	Illuminated LC display
Housing	Shock resistant plastic with wipe-clean membrane keyboard
Explosion Protection	Ex ia IIC T4 Gb or Ex ia IIB T4 Ga
Equipment	Probes, Telescopic extension for probes, Headphones, PC software, Carrying strap, Carrying case, User manual



SONOTEC preserves the right to change technical specifications without further notice. (Rev. 3 / 2019-03-15)

SALES & SUPPORT

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Certified according to ISO 9001