

## 10 REASONS TO PURCHASE THE NEW

# SONAPHONE

DIGITAL ULTRASONIC TESTING DEVICE

### 1. TOUCHSCREEN TECHNOLOGY

The **SONAPHONE** can be operated intuitively like a tablet via 5-inch display with multi-touchscreen. Even new employees and service providers master the extremely **comfortable handling** quickly and can perform test processes themselves after just brief introduction.

### 2. BROADBAND ULTRASONIC ANALYSIS

With the new SONAPHONE maintenance staff can see and hear everything that happens in the frequency range **from 20 to 100 kHz**. In contrast only a narrow frequency range can be gathered with comparable testing technology. By integrating **new sensors, innovative measurement technology** and **advanced data processing**, SONOTEC has successfully provided a completely new analysis of the ultrasonic signal, which is unrivalled on the market. This makes **new applications** like **leak classification** possible.

### 3. FROM PROBE TO DIGITAL SENSOR

The sensors from SONOTEC not only differ visually from the airborne and structure-borne sound probes that are usual on the market – processes run in the sensor itself which contrast significantly with the previously known narrowband technology. Thus the broadband sensors simultaneously receive and process **ultrasonic signals from 20 to 100 kHz**. The **additional information** obtained in this way is very significant for the evaluation of the condition of machines and systems and paves the way for new applications in **maintenance 4.0**.

### 4. ROBUST HOUSING

The mobile testing device with a **tablet look** is characterized by its exceptional **robustness**. For especially harsh industrial environments there is a **protection set** that can provide additional protection for the hand-held device against impacts and external influences.

### 5. MULTI-FUNCTIONAL

Find leaks or detect partial discharges with the **airborne sound sensor**, which can be expanded with **various attachments** for large and small distances depending on the application. Just one click turns the SONAPHONE from a **leak detection device** into a hand-held device for **bearing testing**. You can perform functional testing of machines and steam traps with the **structure-borne sound** and **temperature sensor**.



The SONAPHONE ultrasonic testing device combines novel sensors with software that can be operated intuitively for preventive maintenance and is used above all for

- ✓ Leak Detection and Classification
- ✓ Condition Monitoring of Machinery
- ✓ Detection of Partial Discharges
- ✓ Tightness Testing
- ✓ Valve and Steam Trap Inspection.



## 6. LOCATE & CLASSIFY LEAKS

While other ultrasonic testing devices can only find **leaks**, SONAPHONE can also be used to **classify their size** at the same time. Based on methods of aeroacoustics SONOTEC developed the world's latest process for **classification** of leaks for the newest generation of SONAPHONE testing devices. The results of the patent-pending methods are plausible values for the **classification of the leak size** and for **estimation of the savings potential**.

## 7. SOFTWARE THAT IS INTUITIVE TO OPERATE

Paper records, which are error-prone and above all time-consuming, are a thing of the past with the modern testing device for Maintenance 4.0. The various **apps** accompany you through the entire testing process, **from planning, testing and documentation to analysis**. Whether leak classification, condition monitoring of machinery or steam trap testing – the parameters to be recorded are optimally adapted to the different tasks of preventive maintenance.

## 8. BUNDLING RELEVANT INFORMATION

The apps **bundle** all **information relevant to maintenance** so you always have an overview of the condition of your machines and systems. Record **spectrograms, time signals, sound files** and **levels** for the test objects. Then **photograph** the potential weak point and **add markings**. You can also add **text comments** and **voice memos** and **set priorities**.

## 9. TEST REPORTS WITH A FEW CLICKS

**Save time** not only when recording but also when analysing the test. With a **few clicks** at the end of the test process you can create a **professional report** as a **PDF** or load the recorded data into the SONOTEC **PC data viewer**.

## 10. OPTIMIZE MAINTENANCE

With the SONAPHONE you can not only detect leaks in compressed air and gas systems and **reduce energy costs**; you can also detect partial discharges and **increase your operational safety**, detect early wear in bearings, **avoid unplanned downtimes** and assess the function of steam traps. Often preventing just a single downtime suffices to make up for the investment costs for the device.



SONOTEC preserves the right to change technical specifications without further notice. (Rev. 2 / 2016-08-29)

### SALES & SUPPORT

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