

BS10

Airborne sound sensor BS10 for leak detection and electrical inspection

Advantages

Frequency range:
20 to 100 kHz

Pinpoint leakages
and partial
discharges over
distances up to 8
m

Applications
(depending on the
app): Detection
and evaluation of
leaks in
compressed air,
gas and vacuum
systems,
Verification of
leaks in windows,
doors, vehicles or
containers,
Detection of
electrical partial
discharges and
insulation damage

Including target
laser and LED
lamp

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THE BS10 AIRBORNE SOUND SENSOR WITH ACCESSORIES FOR DIFFERENT TESTING WORK HAS BEEN SPECIALLY DESIGNED FOR THE FOLLOWING TASKS:

Detection and evaluation of leaks in compressed air, gas and vacuum systems (depending on the app)

Tightness Testing of windows, doors, vehicles or containers (in combination with the SONAPHONE T ultrasonic transmitter)

Detection of electrical partial discharges and insulation damage

FREQUENCY RANGE 20 TO 100 KHZ

Simultaneous analysis of the ultrasound frequency range between 20 to 100 kHz

THE TARGET LASER HELPS WITH THE PRECISE LOCATION OF DAMAGED AREAS:

If the sensor points towards the damaged area during the search, the precise location can be detected by means of acoustic signals, by pivoting the sensor and searching for a local maximum sound level. The target laser marks the approximate position of the damaged area.

LED LIGHT

The LED light serves as a torch, making it easier to search for damaged areas in poorly lit environments.

Accessories



Small acoustic horn BS10-2

Attachment for BS10 airborne sound sensor
Range up to 3 meters



Precise locator BS10-1 (optional)

Applications: Precise location of damage areas in the vicinity



Large acoustic horn BS10-3 (optional)

Application: Location of damage areas at large distances up to 8 meters

Technical Data

Airborne sound sensor

Device design Sensor for detection of air ultrasound signals incl. target laser and LED light

Operating Via keys on sensor or via SONAPHONE touchscreen
Keys:
start/stop measurements
LED light
laser
volume

Dimensions (W x H x D) 30 x 155 x 30 mm

Weight 80 g

Temperature range Storing temperature: -20 to +60 °C
Operating temperature: -10 to +40 °C

Protection class IP40

Frequency range 20 to 100 kHz

Resolution 1 dB

Connector Cable connection to SONAPHONE
Length coiled cable: 160 cm

Accessories

Interchangeable attachments to increase the signal strength: **Small acoustical horn** for close range, **large acoustical horn** for long distances, **attachment for precise localization** of defective parts

Downloads

Type	Title	Size
	User Documentation Airborne Sound Sensor BS10	358 KB
