

## Electronic Stethoscope 2020

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The electronic stethoscope is a compact and versatile listening device for the detection of weak impact sound waves travelling through solid material. It is a standard tool in IEDD, EOD and for squad teams. It assists in detecting and monitoring of suspicious sound (IEDD) as well as to listen from outside into rooms to investigate about people possibly hiding inside.

The 2020 is designed for use in stress-situations and therefore very easy to activate and operate. To activate the device just connect the headset to the stethoscope. The metal housing of munitions, the door and window frames, pipes, furniture and brickwork walls are good impact sound conductors, which support the use of electronic stethoscopes when searching for suspicious sound. Depending on the task the stethoscope can be preset and



optimised for room monitoring or for object inspection by means of an internal commuter switch placed inside the battery compartment. The switch controls a band pass filter, which can give preference to the higher or lower frequency range.

The 2020 mainly consists of a metal cylinder with an integrated impact sound sensor, the electronic circuit board and the battery compartment. The waterproof sensor is built into the front end of the device. At its rear end the cylinder carries a socket to connect a headset. Both, sensor and the metal cylinder are made from non-magnetic material to avoid interaction with magnetic influence devices. The stethoscope operates on single 9V block battery of the PP3 style as used in commercial electronics. Alkaline (IEC no. LR61) and lithium version (IEC no. U9VL) are suitable.

The 2020 consists of the following components:

- electronics with built-in impact sound sensor
- sensor cap
- isolated contact pin
- PU contact plug
- dry battery
- headset with connection cable
- transit case



**TECHNICAL DATA:**

<b>Power supply</b>	9 V battery PP3, alkaline or lithium or rechargeable Ni MH version
<b>Operation time</b>	approx. 50h (alkaline battery) approx. 12h with Ni MH battery
<b>Temperature range</b>	approx. - 15° to + 55° C
<b>Frequency range</b>	in low: 400 Hz to 10 kHz in high: 1 KHz to 10 kHz
<b>Amplification</b>	approx. 80 dB depending on frequency
<b>Dimensions</b>	approx. 35 x 210mm (ø to length)
<b>Weight</b>	approx. 340 g electronics cylinder approx. 140 g headset

Subject to change without notice