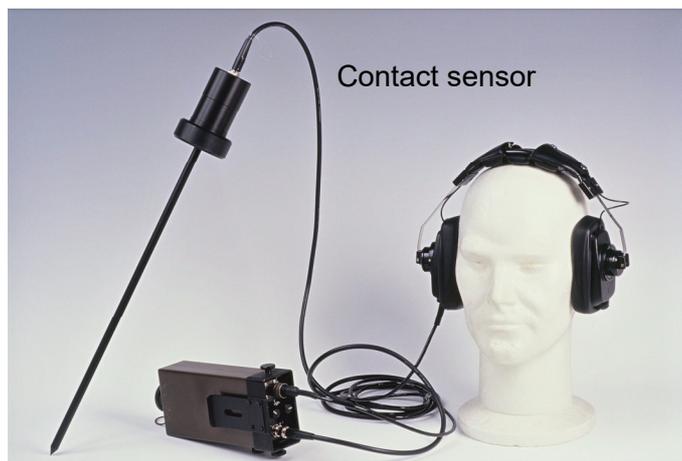


ELECTRONIC STEHOSCOPE EBEX-2001 C/K

Versatile search system
Highly sensitive contact search head
High frequency non-contact search head
Unique non contact MPS sensor
Stepless filter/gain controls
Sturdy construction



ELECTRONIC STETHOSCOPE EBEX 2001 C/K

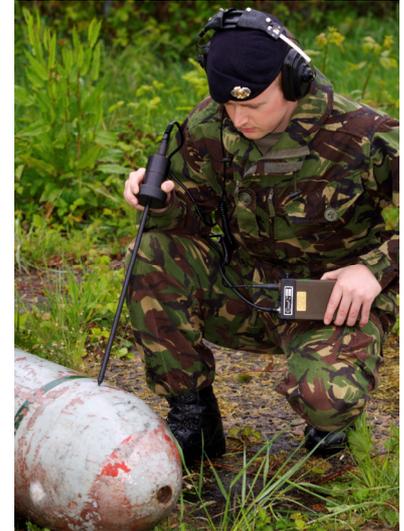
NSN 1385-12-319-0402

The electronic stethoscope **EBEX 2001 C/K** is designed to monitor air delivered ordnance during render safe procedures and to search for IEDs. It allows the detection of timing devices, from close to several meters, depending on the position and local conditions of the timing device.

The EBEX 2001 C/K consists of : a very sensitive impact sound sensor (contact sensor), a high frequency search head (HF sensor), an amplifier and a headset. A magnetic sensor is available as an option. The sensors can detect mechanical movements or certain electronic components which are often used in timing devices. Signals received by a sensor are fed to the amplifier with stepless adjustable filters which make the signals audible in the headset.

The contact sensor can be used in EOD missions, for detection of timers in bombs during render safe operations. It also can be applied for the detection of mechanical timing devices or clocks which may be present in parcels or mail suspected to contain improvised explosive devices.

The contact-less search head uses a high frequency field to check mechanical noises coming from timers. This field penetrates a large range of materials and is only stopped if the target is enclosed into a sealed metallic box. The contact-less search head is not affected by loud ambient airborne noise and so enables search operations in noisy places such as public buildings. It is also well adapted for searching IEDs in walls or when suspicious objects must not be touched. The contact-less search head can also intercept sub-harmonic signals coming from electronic circuits, thus allowing to detect electronic timing circuits.



The magnetic sensor is a passive sensor designed for the reception of magnetic pulses coming from timers, and also of signals generated by local receivers' oscillators.

The EBEX 2001 C/K is supplied in an aluminium transit case, with all its accessories.



TECHNICAL DATA

- Power supply :
- Amplifier : 1 alkaline batt. 9 V type 6LR61 - operating time 20 h
- HF search head : built-in batt. 12 V / 600 mA - operating time 6 h
- Dimensions :
- Amplifier : 205 mm x 115 mm
- Impact sound transducer : 85 mm x Ø 45 mm
- Contact-less search head : 240 x 95 mm
- Magnetic sensor (option) : 297 mm x Ø 24 mm
- Aluminium transit case : 630 x 350 x 175 mm
- Weights :
- Amplifier : approx. 580 g
- Impact sound transducer : approx. 270 g
- Contact-less search head : approx. 850 g
- Magnetic sensor : approx. 245 g
- Headset : approx. 250 g
- Complete device in transit case : approx. 6 kg
- Band pass of the amplifier : 300 Hz - 6 kHz
- Amplification : more than 700 000
- Temperature range : -15 to +55 °C

