

HAVWEAR

A HAVS risk assessment monitor for use as part of the Reactec Analytics Platform

Features and Benefits

The HAVWEAR monitor has been specifically designed to assess and monitor Hand Arm Vibration (HAV) risk exposure from hand tools.

The HAVWEAR is wrist mounted and calculates and displays in real-time either HSE HAVs risk tool exposure points based on a static tool vibration level or HAVs risk sensed exposure points based on vibration determined at the wrist. Therefore informing the wearer of their exposure to vibration.

Sound and vibration alerts also inform the wearer of incremental increases in exposure and action thresholds exceeded.



Technical Performance

IP Rating
IP67

Operating Temperature Range
-10°C to +35°C.

Storage Temperature Range
-20°C to +40°C.

Memory
Up to 200 tool connections.

Communications
Close range inductive data communication (13.56MHz).

Calibration
The HAVwear accelerometer's IC interface is factory calibrated for sensitivity (So) and Zero-g level (TyOff). Trimming values are stored inside the HAVWEAR module in a non-volatile memory and downloaded into the registers during each active operation, requiring no further calibration.

Battery
Internal lithium ion polymer rechargeable battery.

Charge Time
15 minutes after a typical day use.
1 hour from full discharge.

Battery Life
Up to 3 days between charges and 1000 full charging cycles.

Standards
EN302 291-2 Close Range Inductive data communications operating at 13.56MHz.
EN301 489-1, EN 301 489-3, EN61326-1 EMC.
EN61010-1 Electrical Safety.
EN 60529 / IEC 529. Ingress protection to IP67.

Dimensions
37mm x 38mm x 15mm.

Weight
38g.

LCD Screen Size
17mm.

HAVWEAR

System components

HAVWEAR Tags

HAVWEAR Tags are sticky backed labels attached to tools and contain tool information and tool vibration levels.



Docking Station

The Docking station provides data archiving, transmission of data to the Reactec Analytics platform and charges up to 15 HAVWEAR monitors. HAVWEARS are assigned to operators using personalised RFID cards.

- Dimensions: 338mm * 180mm * 50mm
- Weight: 1025g
- IP Rating: IP20
- Operating Temperature Range: 0°C to +40°C
- Storage Temperature Range: 0°C to +40°C
- Memory: 10 years
- Communications: Close range inductive data communication (13.56MHz)
- Mains adaptor
- Power: 12VDC



HAVWEAR Wrist Holder

The HAVWEAR wrist holder comprises of two parts - monitor holder and wrist strap.



HAVWEAR device

A device that assess, calculates and informs the wearer of their exposure points and levels.



Reports

The Analytics Software is a cloud-based software application to view and analyse HAV exposure reports from data collected by the HAVWEAR.

