

RASOR

A connected worker device for use as part of the Reactec Analytics Platform

Features and Benefits

The RASOR is a connected worker device for acquiring integrating worker safety data and providing real-time monitoring and location data.

The RASOR connects with other Bluetooth-enabled devices, such as HAVwear, to collect health risk information from different members of the workforce. This information is visible in real-time from an online platform.

In addition to this connected worker functionality, RASOR provides support to lone workers by transmitting providing features such as check in functions, fall detection and panic mode.



Technical Performance

Temperature Range

Operating: -10°C to +40°C. Charge: 0°C to +40°C. Storage: -20°C to +50°C.

Memory

At least 12 hours of location data and 582 exposure vibration data records from up to 256 operators, plus additional third-party sensor data.

Communications

RFID communication (13.56MHz).

Bluetooth low energy communication 4.2

GSM-900 and GSM-1800 mobile data communications

Global Navigation Satellite System (GNSS) receiver with GPS L1 band, Galileo E1 band, Glonass L1 band, Beidou B1 band, QZSS L1 band

Battery

Internal 2000mAh lithium ion rechargeable battery

Charge Time

Charge time from full discharge to full charge = 2 ½ h.

After a typical day of use the time to full charge is 1 ½ h.

Battery Life

Max battery life is 24 hours.

Storage

Store in a cool dry place away from direct sunlight.

For long periods of inactivity, the device includes an Off functionality. It is recommended that the device is charged before long-term storage

Standards

EMC & Radio: EN 55032, EN 55035, EN 301 489-1, EN 301 489-3, EN 301 489-17, EN 301 489-52, EN 300 330, EN 300 328, EN 301 511, EN 301 489-19, EN 301 511, EN 301 908-1, EN 301 908-13, EN 301 413, EN 6231

EN 60529 / IEC 529. Ingress protection to IP67.

Safety: EN62368-1

Dimensions

62mm x 92mm x 15mm

Weight

120g.

OLED Colour Display Screen Size

36mm x 29mm, 160 x 128 pixels

RASOR

System components

RASOR Device

A connected worker device capable of gathering live location and sensor data pertinent to operator safety while integrating with the Analytics platform. Optional belt clip and lanyard are available.



Dual Charger

The dual charger provides charge management to the RASOR device and up to two mounted HAVwear modules. It also enables 2G connectivity for the HAVwear modules through a docked RASOR device.

It also allows the RASOR device to operate in a stationary mode to gather data from nearby workers.

- Dimensions: 180mm x 180mm x 50mm
- Weight: 300g
- IP Rating: IP20
- Operating Temperature Range: 0°C to +40°C
- Storage Temperature Range: -10°C to +50°C
- Mains adaptor
- Power: 12VDC, Max 1A



Standards

EMC: EN55032, EN55024 and EN55035

Safety: EN62368-1

HAVWEAR device

The RASOR may be used in conjunction with REACTEC HAVwear devices in addition to third party sensors. For further information on HAVwear refer to <https://documents.reactecanalyticsplatform.com/Documents/HAVWEARDataSheet> for more details.



Analytics platform

The Analytics Software is a cloud-based software application to view and analyse HAV exposure reports, RASOR location data and live information on operator status.

