

HAV-Sentry

| Description | Part No: |
|---|----------|
| Aegis HAV sensing and alert unit in large glove | 720-001 |
| Aegis HAV sensing and alert unit in medium glove | 720-002 |
| Five port docking station for Aegis sensing and alert unit | 720-003 |
| Blue Tooth ID Tag for use with Aegis sensing and alert unit | 720-004 |
| HAV-Sentry cloud-based dashboard - single user | 720-010 |

| Replacement Parts | Part No: |
|---|----------|
| Large glove for Aegis sensing and alert unit | 720-005 |
| Medium glove for Aegis sensing and alert unit | 720-006 |

HAV-Sentry



A Personalised Hand-Arm Vibration Exposure Meter



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Issue-5

SKC

The HAV-Sentry system is an innovative, non-intrusive wearable technology that provides personalised measurement of real-time hand-arm vibration exposure with live alerts.

It proactively protects hand held tool operators in construction, manufacturing, and other industries from developing lifelong Hand Arm Vibration Syndrome.

Features

- The unit can be used underneath protection gloves if required
- Machine washable liner gloves which are easily replaced
- Tri-axial accelerometer sensor
- IP64 protection – dust-proof and water-resistant
- Rechargeable Li-Ion battery for 8 hours continuous operation
- Individually assigned Bluetooth ID tag provides user authentication
- Complies with BS ISO 5349 and BS ISO 8041
- CE & UKCA Certified

ID Tags

Bluetooth connected user authentication device. No need to carry the ID Tag with the operator once paired with the HAV-sensor.

Aegis

HAV sensing and alert unit. Measurement, alerting and control system.

Liner Glove

Aegis units come pre assembled in an ambidextrous, breathable and moisture wicking liner glove.

Docking Station

Charging and data acquisition station. Wi-Fi connection available.



Proactively protect tool operators in construction, manufacturing, and other industries. Access to data visualisation, analysis and generate risk assessment report in the secure cloud-based dashboard.



Use the Dashboard comprehensive data:

- To identify the root cause
- To prioritise low vibration tools and tools maintenance
- To ensure job rotation to reduce exposure
- For continuous improvement and guidance for H&S decisions

Generate Risk Assessment Reports instantly

Risk Assessment Report

| | |
|------------------------|---------------------------|
| Date of Report | 14 Oct 2021 |
| Period of Data Capture | 17 Aug 2021 - 14 Oct 2021 |
| Author | Feraru Dynamics Ltd. |
| For the Attention of | Feraru Dynamics Ltd. |

Workforce Overview

| | |
|---|---|
| Number of operators monitored in this period | 5 |
| Number of days monitored in this period | 4 |
| Number of exposures under the Exposure Action Value | 2 |
| Number of exposures between the EAV and ELV | 2 |
| Number of exposures over the Exposure Limit Value | 0 |

Operators

| Operator ID | Team | Exposures | Average Exposure | Total Exposure | Average A(8) | EAVs | ELVs |
|-------------|--------------|-----------|------------------|----------------|--------------|------|------|
| 4 | Assembly | 1 | 6m | 6m | 0.7 | 0 | 0 |
| 2 | Maintenance | 1 | 12m | 12m | 3.1 | 1 | 0 |
| 1 | Maintenance | 1 | 24m | 24m | 1 | 0 | 0 |
| 3 | Maintenance | 1 | 30m | 30m | 1.4 | 0 | 0 |
| 5 | Construction | 1 | 1h 38m | 1h 38m | 2.5 | 1 | 0 |

Exposures

| Date | Operator ID | Exposure Duration | Department | Exposure A(8) |
|-------------|-------------|-------------------|--------------|---------------|
| 17 Aug 2021 | 4 | 6m | Assembly | 0.7 |
| 18 Aug 2021 | 2 | 12m | Maintenance | 3.1 |
| | 3 | 30m | Maintenance | 1.4 |
| | 5 | 1h 38m | Construction | 2.5 |
| 19 Aug 2021 | 1 | 24m | Maintenance | 1 |

Alert System

| Colour | Description | User Action |
|------------|------------------------------|---|
| Green | Safe Exposure Level | Ready to go |
| Yellow | Exposure Action Value | Pause for hand stretching, aim to finish work |
| Red | Exposure Limit Value | STOP vibration work for the day |
| Light Blue | Connected to Docking Station | Do NOT disconnect |
| Dark Blue | On Hand, ready for pairing | Move the ID Tag close to the device |
| Purple | Low Battery | Connect to Docking Station |

IT Technical Support Online for a faster response

