SLATE SAFETY™

REPSS.com

The Future of Industrial Safety Starts Here

The SlateSafety BAND V2 is the most robust, rugged and easy-to-use connected safety wearable ever built. No additional hardware is needed to monitor the largest teams doing the toughest jobs over the largest areas.
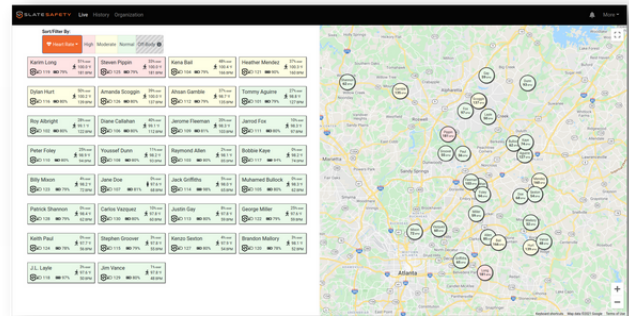

BAND V2 Features

- Monitor your most valuable assets from any internet-enabled device or perform the job and download the data later for evaluation
- Manage worker safety by enabling haptic or LED feedback alerts when a person is working outside biometric baselines
- 'Over the air' updates expand product lifetime value and allow for easy deployment on future feature expansion (i.e. fall detection)
- Open integration architecture for seamless data transfer to current company systems
- Compact, discreet design allows device to blend in seamlessly under PPE

Insights

- Heart Rate
- Core Temperature
- Exertion
- Fall Detection
- GPS Location
- Haptic or LED Feedback
- Distance Traveled
- SOS Tap Alert

Web interface and real-time alerting

Enabled Awareness

Administrators can interact with all devices from a single, centralized, cloud-based platform that provides live or historical insights of personnel.

- Live and Historical Tracking
- Detailed Analytics and Reporting
- Instant Alerts to Wearers and/or Supervisors

Modes of Operation

Standard
- Utilize cellular signal if available otherwise store collected data on device

Cell Denied
- Radio network for cell denied areas connects via mobile app for offline use

Alert Only
- Enhanced user privacy, only alerts are sent to the cloud, not location or biometrics

Offline
- Data is recorded and stored in device onboard memory for later download

BAND V2 Specifications

General Information

Chipset	ARM Cortex-M33
Memory	32 MB (Over 300 hrs of continuous offline use)
Weight (band and strap)	82g
Dimensions	2.7" x 2.8" x 0.53" / 68.6mm x 71.1mm x 13.5mm
Ruggedization	IP68, High impact polycarbonate plastic
Strap	Durable Polyester, Nylon hook and loop, Elastic Rubber
Ports	Proprietary dual magnetic charging port
Operating Temperature, Humidity	-20C to +55C, 5% to 95% relative humidity (non condensing)
Storage/ Charging Temperature	0C to +45C

Connectivity

Other Radios	BLE
Cellular Data	LTE-M / NB-IoT (subject to regional support)
GPS	L1 Band

Sensors

6-Axis IMU	Gyroscope, Accelerometer
Body Proximity Sensor	Advanced On Body Detection
PPG Sensor	Industry-leading sensor. Measuring a wide variety of biometric data

Feedback

Vibration	High G-force haptic motor
LED	Quad RGB LED indicators

Battery

Capacity	700 mAh, 3 Wh, Lithium-ion polymer, UL1642 Certified

Security

Security	Arm TrustZone, End to End Data Encryption

Compatibility

PPE	Designed to be worn underneath Standard PPE equipment

Included Accessories

Inside BAND V2 Box	BAND V2, CHARGER V2 Cable, CHARGER V2 AC/DC Adapter, BAND V2 Information Booklet, STRAP V2

Accessories

MULTI-CHARGER V2	High capacity charging system
GATEWAY V2	Network adapter for cell-denied or restricted areas
BEACON V2	Environmental/Zone tracking for GPS denied areas

CHARGER V2 Specifications

Cable	High capacity charging system
AC/DC Adapter	Input: 100VAC - 240VAC 50/60Hz Output: 6.2VDC, 1A UL Listed : E502188