



DESCRIPTION The HID BluLog provides wireless functionality and data-logging (30,000 readings) for HID38 or HID76 digital stress sensors. It is an economical solution for creating either a standalone data-logger that can be downloaded using any android device, or a wireless sensor network to report data in real time.

The hardware costs of creating a Bluetooth 5 wireless solution will typically be comparable or less than a wired solution by reducing costs related to lead wire and multiple wired data-loggers.

The logger runs from two user-replaceable internal lithium batteries which will last more than two years when set to 1 reading per hour.

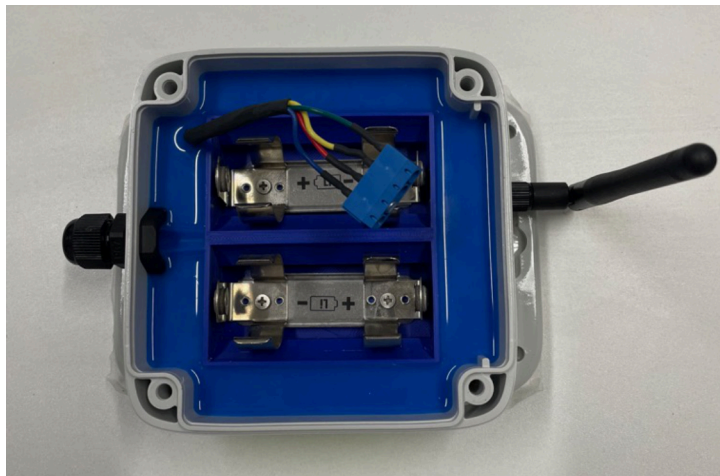
The HID BluLog enables instruments to be managed by an Android device using the BluPoint App.

APPLICATIONS

- Data logging of Triaxial (3D) Stress magnitude and orientation
- Civil tunnelling, storage caverns & underground excavation industry
- Rock Stress monitoring for coal & metalliferous mining
- Rock and concrete stress monitoring in civil projects such as tunnels, dams or bridges
- Collect 3D or triaxial stress data in real time
- Monitor stress condition and relative stress change
- Monitor long-term stress in pillars
- Monitor geotechnical problem areas experiencing tunnel closure and deformation

GEOTECHNICAL SOLUTIONS

- Low cost single channel data logger
- Power HID cells, time stamps and stores 30000 readings
- Easy to use quick connect terminals
- Internal Lithium batteries for ease of maintenance and low setup cost
- Compact size ideal for field installation
- Output data format to suit isotropic analysis program Stress 201i & Stress 201m
- Easy download of data and input into stress programs via free and user friendly Android App
- Scalable by adding more nodes and networked by adding a WIFI, Ethernet/LAN or LTE-M Gateway
- Standard range 100m to Gateway



TECHNICAL SPECIFICATIONS

Number of inputs	One HID sensor
Power source	Two Internal Lithium D Cell battery
Connector	4 way screw terminal
Dimensions	145 x 110 x 60mm
Weight	550 grams
Storage	30000 readings
Sampling rate	User selectable, as often as every 5 minutes
Communication	Bluetooth 5
Timing	Real time clock with super-capacitor backup power
Communication range	100m line-of-sight

