

## uBlock

UB-ST-SS uBlock Bluetooth ${ }^{\circledR} 5$ wireless technology IIOT Vibration and Temperature Sensor

| PHYSICAL |  |
| :---: | :---: |
| Dimensions | $44 \times 44 \times 47 \mathrm{~mm}$ |
| Weight (SS Base) | 160g |
| Thread | Metric M6 |
| IP Rating | 68 |
| Temperature | $-20^{\circ} \mathrm{C}-85^{\circ} \mathrm{C}$ |


*Sample Rate is optimised for temperature

| BATTERY |  |
| :--- | :--- |
| Factory Replace | $3.6 \mathrm{~V} \mathrm{Li}-\mathrm{SOCL}_{2} \ldots \ldots$ |
| Op Life | $3-5 \mathrm{Yr}$ (use based) |

SOFTWARE
Android App iOS App
Cloud/ Bowser App Local Gateway App
OA SYMPTOMS/ AXIS
(USED FOR MESH LAYER)

ENOB (for range) 15 bits/ 85dB

| Range steps | $2,4,8,16 \mathrm{~g}$ |
| :--- | :--- |
| Temperature | $-40^{\circ} \mathrm{C}$ to $105^{\circ} \mathrm{C}$ |
| Noise | $75 \mathrm{ug} / \sqrt{\mathrm{Hz}}$ |
| $\mathrm{x}, \mathrm{y}, \mathrm{z}$ | Fmax 6.3 kHz |


| ISO Velocity | gRMS |
| :---: | :---: |
| 3 Top Peaks < 1kHz | 5 Top Peaks > 1kHz |
| $g$ Peak | g Kurtosis |
| Temperature | E1(0.5-1kHz) gRMS |
| E1(1-2kHz) gRMS | $\mathrm{E1}(2-4 \mathrm{kHz}) \mathrm{gRMS}$ |
| Battery Life | Sample Time |

## uBlock

## Walk up and Route Based Collection using the uBlockVT16

Connect to a handheld uBlock with a magnet and move around a pre-defined route to collect data OR collect data from fixed uBlock devices behind guards and in inaccessible positions.

Android or iOS phone/tablet application provides all the functions and measurement capabilities of a $\$ 20 \mathrm{k}$ data collector to implement walk around, WiFi or 4G can pass data back to the Cloud for analysis

## On Line Monitoring using GATT (Point to Point)

Simply configure a Gateway to connect to several uBlock Devices within the direct connection GATT protocol.

Data can then be collected ON Demand (controlled by the Cloud or local rules) based on time, threshold, alarm state and data will be stored and analysed locally/ passed to the Cloud portal or stored locally/ sent via OPC to Automation system / VPN analysis.

