

AURORA – ACCELEROMETER

A wireless IoT sensor system

ABOUT

AURORA – Accelerometer can be setup to trigger on motion, activity and free-fall. Default the sensor is configured without trigger and will only return static acceleration values for each axis. The module is equipped with two batteries (CR123, 1550mAh each)⁽¹⁾

Connectivity

The module can be configured with SmartMesh IP, LoRaWAN or NarrowBand IoT.

Configurator Environment

When equipped with LoRaWAN, NarrowBand or SmartMesh IP, the unit can be configured Over-the-Air using the Vicotee AURORA Configurator software.

PARAMETER	Min	Max
High Accuracy Temperature Sensor ±0.4 °C (max)	-10° C	80° C
Storage temperature ⁽²⁾	-20° C	40° C
Operating Temperature	-40° C	60° C
Supply Voltage	2.2 V	3.5 V
IP Rating	IP65	
Sleep Power Consumption	4 uA	9 uA
Power Consumption	-	40 mA
Operating current	-	8 mA
Dimensions	70mm (L), 50mm (W), 30mm (D)	

ACCELEROMETER	Min	Max
Sensitivity, all <i>g</i> ranges	3.9 LBS/ <i>g</i>	256 LBS/ <i>g</i>
0 <i>g</i> OFFSET		
0 <i>g</i> Output Deviation from Ideal, X-, Y-, Z-Axes	-	±35 mg
0 <i>g</i> Offset vs. Temperature for X-, Y-, Z-Axes	-	±0.8 mg/°C
Power Consumption	0.1 µA	140 µA



Specifications and information herein are subject to change without notice.

(1) Battery life is depended radio technology, number of measurements per hour, length of the messages and battery self-discharge (typical 1-2% per year).

(2) Storage temperature with lithium battery.