

BLE Sensor Logger

The smallest wearable solution for any RFID UHF application

Bluetooth 4.2

Temperature/humidity Sensing

Accelerometer

BLE Sensor Logger is ideal for all those that require a very compact device that is able to detect and store temperature, humidity and motion. It can collect temperature and humidity of the surrounding environment and transfer to any BLE enabled device such as smartphone or tablet. It can be used either as wearable device either in industrial application like cold chain control. It is capable to set the acquisition period and associate the event to date and time



TECHNICAL DESCRIPTION

Dimensions: 57 x 44 x 15 mm

Net weight: 25g

Frequency: 2.4GHz

Compliant Standard: Bluetooth 4.2

Modulation mode: GFSK

Internal memory: 64kB EEPROM

Battery : 250mAh @3V

RF Power: 8dBm [attenuation software settable]

Sensitivity: -90 dBm sensitivity @ 1 Mbit/s

Reading distance: up to 200 cm in free space

Antenna: Integrated Linear Polarized Antenna

User Interface: 1 button, 1 bi-color LED, Buzzer

Temperature Sensor: ± 0.4 accuracy, -40 to +125 °C operating range

Humidity Sensor: $\pm 3\%$ RH (accuracy) @ 0–80% RH

Accelerometer: 3-axis ± 100 g full scale

Certification: CE according to ETSI EN 300 328

Protection: IP65

Temperature Operative Range: -40°C +85°C

Sensor ID s.r.l.