

# GoSense LL-Stat ID™ NFC Light Level Sensor

PRELIMINARY

## FEATURES

- 3-Band Light Level Sensor (UV, Vis, IR)
- Ultra-Low Power Consumption
- Lightweight and Portable
- Battery or Batteryless Operation
- Wireless Data Transfer to Smartphone
- Password Protected
- Fully Programmable Data Logger
- Up to 1Mb Secure Data Storage Space
- NFC and RFID Compatible
- 13.56 MHz (HF) Operating Frequency
- Various Packaging Options Available

## TYPICAL APPLICATIONS

- Light Level Monitoring
- Independent UV, Visible & IR Band Analysis
- Daylight Sensor
- UV Exposure Monitor
- IR Radiation Metering
- Mobile & Portable Sensing and Detection
- Agriculture and Plant/Leaf Development
- In-Building Light Monitoring
- Clean Room / UV Lithography Facilities
- Short-Range Contactless Sensing
- Wireless Sensor Networks

## DESCRIPTION

The GoSense LL-StatID™ is a wireless 3-band light level sensor with a built-in data logger. The LL-StatID™ works with RFID readers and NFC-enabled smartphones.

The GoSense LL-StatID™ is ideal for measuring broad spectrum light levels across the ultra-violet (UV), visible (Vis) and infra-red (IR) regions simultaneously.

The GoSense LL-StatID™ will operate with or without batteries (semi-active or passive operation) and has a read range of up to 2.5 cm with NFC-v Smartphones or up to 1.5 m with an ISO15693 RFID card reader.

Different enclosure options available: indoor, outdoor, mobile and rugged.



## SPECIFICATION SUMMARY

Spectral/wavelength:

- UV: 220 – 370 nm ( $\lambda_{max}/2$ )
- Vis : 550 – 1050 nm ( $\lambda_{max}/2$ )
- IR: 780 – 1050 nm ( $\lambda_{max}/2$ )

Read range:

- NFC up to 2.5 cm
- RFID up to 1.5 m

Operating conditions:

- 25 to + 60 °C with battery
- 25 to + 80 °C without battery

Data logger (requires battery)

- 4 kb memory with optional 1Mb expansion
- programmable out-of-limits function
- 14-bit ADC
- 1 sample/s to 1 sample/ten days  $\pm 0.5\%$

Air interface:

- ISO 15693 compliant
- NFC-v compatible

Power Supply:

Derived from NFC/RFID reader or internal battery

Battery: 3V lithium coin cell, type CR2032

Size: e 100 x 70 x 15 mm (depending on enclosure)

Weight: e 25 - 100 g (depending on enclosure)

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