

LIGHT METER SENSOR

Overview

NETOP Light Meter sensor is a long range wireless sensor which measures the intensity of visible light. The spectral response of the sensor tightly matches the photopic response of the human eye and includes significant infrared rejection. Measurements can be made from 0.01 lux up to 83k lux (luminescence/unit area). This sensor is compatible with Bluetooth5.0 technology. The standard version of this sensor is powered by one replaceable 3.6 V AA sized battery (included with purchase).

Key Features

- Real plug & play
- Easy to mount & install
- Maintenance free – install & forget
- Secure communication
- Low Power Consumption
- Longer Range
- Certifications: CE



Communication Specs

- The sensor uses Bluetooth5.0 technology
- Compliant with unlicensed 2.4 GHz ISM band
- Internal Antenna
- Radio Performance : Upto +4 dBm TX power and -96 dBm RX sensitivity
- No PC required for operation

Mechanics

- Housing: ABS
- Dimensions: 65 x 55 x 27 mm
- Operating temperature: -40°C to +85°C

Data Security

- AES-128

Power Supply

- AA Battery 3.6 V Li-SOCI2-Soft LS 14500 (Standard 1 piece)

Indicators

- RGB Status LED (on board)

Sensor Specifications

Measurement Range : 0.01 lux to 83000 lux

Resolution : 0.01 lux

Data Transmission Period : 1 hour(default)

Certifications & Reliability

- CE
- Bluetooth® SIG certified
- EN 62479
- EN60950
- EN 301 489-1
- EN 301 489-17
- EN 300 328

Applications

- Enviromental Monitoring
- Lighting Control Systems
- Home Automation Appliances