Temperature and Humidity Sensor

The S1 is a high-precision digital temperature and humidity sensor equipped with Bluetooth® 5.0 technology. Designed for environmental monitoring, it enables accurate measurement and local storage of temperature and humidity data. The robust IP66-certified housing protects the sensor from dust and water. It is ideal for applications in smart buildings, warehousing, healthcare, and industrial environments.

KEY FEATURES

Accurate temperature and humidity measurement for reliable environmental monitoring

Bluetooth® 5.0 technology for wireless data transmission up to 100 m

IP66-certified for use in demanding environments

TECHNICAL SPECIFICATIONS

Dimensions:	70.6 mm x 38 mm x 17.8 mm
Weight:	37.5 g
Sensors:	Bluetooth Low Energy (BLE) 5, 2.4 GHz
Battery:	2x lithium-ion batteries (1000 mAh total capacity)
Broadcasting Range:	Up to 100 meters (open space)
Protection class:	IP66 (dustproof and waterproof)

Certification:	CE, FCC
Temperature Range:	-20°C to +60°C
Humidity Range:	0% RH to 100% RH
measuring accuracy:	±0.5°C / ±5% RH

OPERATION & INSTALLATION

Power On:	Press and hold the button for 3 seconds until the blue LED lights up
Power Off:	Press and hold the button for 3 seconds until the blue LED flashes 5 times
Battery Replacement:	Easily accessible for quick exchange
LED:	Signals operational status and measurement activity
Mounting Options:	Attach using double-sided tape or screws