

# CO<sub>2</sub> WITH TEMPERATURE HUMIDITY AND DISPLAY



The S-Series remote wireless device is a compact indoor monitoring sensor for measurement of temperature, humidity, and CO<sub>2</sub>.

The data can be shown locally in real-time with an optional onboard display, monitoring the indoor environment. The combined CO<sub>2</sub> monitoring solution can be simply and affordably applied in classrooms, hospitals, labs, and virtually any facility.

The sensor data is transmitted via the SoniLink network. With this low-power technology, the sensor can function using the internal battery for over 3 years.

By leveraging with SoniLink hub and SoniCloud application, users can manage all sensor data remotely and have the flexibility to add additional.

Sonicu monitoring solutions for a comprehensive yet simple facility monitoring solution.

## Features

- Sensors seamlessly link to SoniLink Hubs, creating a comprehensive monitoring network - connect hundreds of sensors to a single hub and monitor large areas easily
- Our LoRaWAN<sup>®</sup> implementation, SoniLink, ensures secure and reliable wireless connectivity. Experience real-time monitoring with long range and power efficiency
- Compact in size and entirely wireless, installation is a breeze
- Equipped with NFC for easy configuration
- Instantly compatible with AWS Cloud-based SoniCloud Monitoring
- Tailored alerts and alarms via phone call, text, email and push notification
- 3 years of battery life

## S-Series Specifications

### Wireless Transmission

Technology	LoRaWAN®
Transmission Power	22 dBm
Sensitivity	-137dBm @300bps

### Sensors

#### Temperature

Operating Principle	Digital CMOSens® technology (MEMS)
Range	-20°C - 60°C
Accuracy <sup>1</sup>	± 0.2°C
Resolution	0.1°C

#### Humidity

Operating Principle	Digital CMOSens® technology (MEMS)
Range	0% - 100% RH
Accuracy	± 2% RH
Resolution	0.5% RH

#### Carbon Dioxide (CO<sub>2</sub>)

Sensor Type	Nondispersive Infrared (NDIR)
Range	400 to 5000 ppm
Accuracy	± (30 ppm + 3% of reading) (0°C to +50°C)
Resolution	1 ppm

### Display & Configuration

Display	Optional Display
Button	1 × Power Button
LED	1 × Traffic Light Status Indicator
Configuration	Mobile App via NFC

### Physical Characteristics

Power Supply	2 × 2700 mAh ERI4505 Li-SOCI2 Replaceable Batteries
Battery Life*	With Optional Display: Approximately 3 years   Non-Display Version: Around 4 Years
Operating Temperature	-20°C to +60°C (E-Ink Screen: 0°C - 40°C)
Relative Humidity	0% to 95% (non-condensing)
Ingress Protection	IP30
Dimension	68 × 65 × 20.5 mm (2.68 × 2.56 × 0.81 in)
Installation	Wall Mounting

\*The battery life is tested under laboratory conditions and for guideline purposes only.

# Dimensions

