

S-SERIES CO₂ WITH TEMPERATURE, HUMIDITY, AND DISPLAY



The S-Series remote wireless device is a compact indoor monitoring sensor for measurement of temperature, humidity, and CO₂.

The data can be shown locally in real-time with an optional onboard display, monitoring the indoor environment. The combined CO₂ 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 same internal battery for up to 10 years.

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

Sonucu 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[®] 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
- 5 years standard | Up to 10 years configurable*

**Battery life estimates are based on standard environmental conditions and transmission intervals. Actual performance may vary based on configuration, signal environment, and reporting frequency. 5-year battery life at standard transmission and 10-year battery life at extended transmission.*

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	± 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 (CO₂)

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 ER14505 Li-SOCI2 Replaceable Batteries
Battery Life*	5 years standard Up to 10 years configurable
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

*Battery life estimates are based on standard environmental conditions and transmission intervals. Actual performance may vary based on configuration, signal environment, and reporting frequency. 5-year battery life at standard transmission and 10-year battery life at extended transmission.

Dimensions

