



# Orsis CO2SS

## Combined Temperature, Humidity & CO2 Sensor

The Orsis combined sensor is used for collecting data for temperature, relative humidity and carbon dioxide levels. The Orsis combined sensor communicates through the Orsis LDC via RF (radio frequency) and the information is displayed on Orsis Energize.

The consumer may use this information to fully understand the on-site environmental conditions. This is especially useful when carrying out impact assessments - by monitoring these factors, together with remote metering of utilities, it is possible to measure the effects of energy saving measures installed such as insulation and energy efficient heating systems.



## Features

- ✓ Sensor function for CO2, humidity and temperature
- ✓ Wide adaptive temperature range
- ✓ High accuracy and wide measurement range
- ✓ Flame retardant, small compact design
- ✓ Low power consumption
- ✓ High data transmission
- ✓ Easy installation
- ✓ 16-bit single chip CPU with high processing speed
- ✓ LED indicator lights for power and operational activity
- ✓ Resistance from high-voltage spikes

**Ready to get started?**

Start your journey today

## Orsis

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Technical Information	
CO2 Accuracy	+/- 50 ppm
CO2 value range	0ppm ~ 5000 ppm
Temperature Accuracy	+/- 1°C
Temperature Range	-25°C ~ +55°C
Humidity Accuracy	+/- 3%
Humidity Range	0% ~ 95%
Adaptor working voltage	AC 100V ~ 240V
CO2 Sensor working voltage	DC 3.25V ~ 5.5V
Data Stored	2500 records
Data retention Time	8 ~ 52 days
Operating temperature	-25°C ~ +70°C
Operating Humidity	5% ~ 100%
Operating Atmospheric Pressure	66kPa~108kPa (relative elevation below 2km)
Frequency range	433MHz
Antenna impedance:	50Ω
Data transmission rate	300bps ~ 115200 bps
Antenna gain	2dBi (built in)
RF power	9mW
Communications Interface	9600 b/s
Dimensions	100mm (H) x 50mm (W) x 30mm (D)
Weight	200 grams