

CO₂ Sensor



CO2 Sensor

The sensor is built to reliably measure CO₂ levels in areas of relatively high gas concentration.

The sensor is battery powered and connects wirelessly to the KoolZone monitoring platform.

The CO₂ sensor itself is built on the gas sensing systems device using a unique patented LED technology platform and optical designs. It's this solid-state technology that enables best-in-class power consumption, life, and durability.

Calibration

Different levels of calibration are available, the manufacturers' calibration certification, UKAS calibration, and reference calibration at specific temperature points carried out by KoolZone

Applications

Sensor is suitable in measurement ranges from 0-20% concentration. The sensor is suitable for a range of process control, and similar demanding applications.



CO₂ Monitor



**Measurement range:
0-20%**



1-2 Years Battery Life



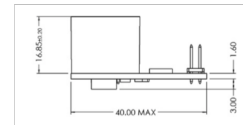
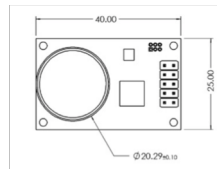
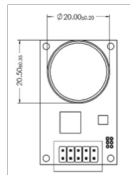
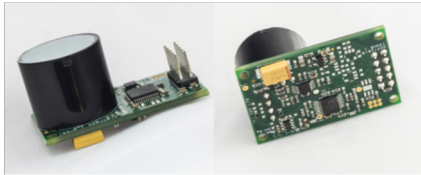
Wireless Connection



Out-of-the-Box

Technical Specification

Operating Conditions	0°C to 50°C
Sensing method	Solid-state non-dispersive infrared (NDIR) absorption patented solid-state LED and detector patented gold-plated optics
Sample method	Diffusion
Measurement range	0-20%
Accuracy	± (70ppm+5% of reading) , (100% range ± (300ppm+5% of reading)
Pressure dependence	0.15% of reading per mbar in normal atmospheric conditions
Operating pressure range	500mbar – 10 bar, 900-1100mbar (with T and RH)
Response time (to a step change in gas level)	2 mins



Note

Monitored data and alarms are visible through KoolZone’s sophisticated monitoring platform running on iOS or Android phone, iPad, tablet or laptop. Alert notifications can be sent by text, email, or phone.

This sensor probe is not suitable for direct long-term immersion in liquids or corrosive environments. An alternative KoolZone sensor probe is available for liquid immersion, including dishwashers.

Vendor Contact Details

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