

CoZIR® -Blink

- Ultra-low power CO₂ sensor
- Suitable for battery powered wireless operation
- Install and forget, completely autonomous operation
- Long life, > 15 years



About CoZIR® -Blink

CoZIR® -Blink is an ultra-low power NDIR CO₂ sensor using the most advanced Solid-state LED optical technology. Self-made low-power LEDs allow GSS to fully control CO₂ transmission Sensor signal chain.

The CoZIR® -Blink uniquely reduces power consumption for CO₂ measurement to unprecedented levels. Designed for cyclic operation, this sensor allows users to wake it up, take readings, and then shut it down again, minimizing energy usage. This power-loop functionality proves particularly advantageous in battery-powered applications or wireless connectivity systems with limited power reserves.

The CoZIR® -Blink also has a built-in automatic calibration function to maintain CO₂ measurement accuracy throughout the product's life.

characteristic

- Ultra-low power CO₂ sensor
- 30ppm (typ.) Measurement accuracy
- Solid state LED optical technology
- UART data interface
- Built-in automatic zero adjustment function
- California Building Standards Code, Section 24

apply

- Indoor Air Quality (IAQ)
- LoT and smart technology wireless devices
- Air quality and HVAC systems
- Building Management System (BMS)
- Demand controlled ventilation (DCV) system

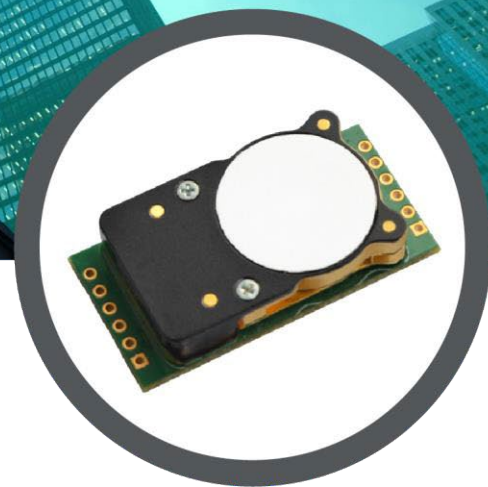
CO2IR[®]-Blink

Ordering Information

COZIR-BLINK - X - X

x	Package Options
Blank	With Pins
N	No Pins

x	Measurement Range
2000	0-2000ppm
5000	0-5000ppm
1	0-1%



CO2 sensor specifications

range	0-2000ppm, 0-5000ppm, 0-10000ppm (0-1%)
accuracy (typ.)	± (30ppm, read +3% of the reading)
Time of first reading	<1.2 seconds
response time	<30s (diffusion limit)
method of sampling	Solid state LED NDIR diffusion

Electrical and mechanical specifications

Measuring outputs	UART
service voltage	3.25V – 5.5V
power dissipation (typ.)	<3.5mW @ 3.3V
Size and weight	31mm x 19.5mm x 8.7mm, 2.5g

going

Working conditions-temperature	0°C ~ 50°C
Working conditions-humidity	0-95% RH, no condensation
Storage conditions-temperature	-40°C ~ +70°C
Environmental work pressure	500mbar ~ 2bar
Sensor life	> 15 years
Environmental compliance	RoHS and REACH

深圳市杰晟兴电子有限公司 JM Components Limited

地址：深圳市福田区中航路7号鼎诚国际大厦南座2007室
手机：13662266995 马少良 电话：0755-83951311
官网：cn-sensor.com

邮编：518031
传真：0755-83952401
电邮：jackson@jmcomponents.com