



High speed, low power and robust
CO sensors.

Measure faster, explore further and go wireless!



SprintIR[®] ExplorIR[®] @2IR[®]

Sensor	Range	Typical Applications	Power Consumption	Start up time	Readings per Second	Approx dimensions (mm) & Weight	Accuracy	Notes
SprintIR®-W	0-5% 0-20% 0-100%	Food packaging Transportation Academia IoT Healthcare	35mW	<30 secs	20	40L x 25W x 36.6H 15g (inc flow cap)	± (70ppm + 5% of reading) 100% range ± (300ppm + 5% of reading)	Can add temperature, %RH and voltage output
SprintIR®-6S			35mW	<30 secs	20	23.8Dia x 24H 10g	± (70ppm + 5% of reading) 100% range ± (300ppm + 5% of reading)	Low internal volume Fast response
SprintIR®-R			100mW	<30 secs	50	23.8Dia x 24H 10g	± (70ppm + 5% of reading) 100% range ± (300ppm + 5% of reading)	Higher speed sampling, Low internal volume
ExplorIR®-M	0-5% 0-20% 0-100%	Safety IoT Food packaging Aerospace Healthcare Agriculture Diving Food Storage Transportation Incubators	3.5mW	1.2 secs	2	23.8Dia x 24H 10g	± (70ppm + 5% of reading) 100% range ± (300ppm + 5% of reading)	Compact, robust sensor
ExplorIR®-W			3.5mW	1.2 secs	2	23.8Dia x 24H 10g	± (70ppm + 5% of reading) 100% range ± (300ppm + 5% of reading)	Can add temp, %RH and voltage output
CozIR®-A	0-2000ppm 0-5000ppm 0-1%	Indoor Air Quality IoT HVAC Building Control Horticulture & Agriculture Food Packaging Automotive Aerospace Safety	3mW	1.2 secs	2	43Dia x 17.25H 20g (cased)	± (50ppm + 3% of reading)	Can add temp, %RH and Voltage Output
CozIR®-LP			3.5mW	0.65 secs	2	31L x 19.5W x 8H 5g	± (50ppm + 3% of reading)	Compact, low power sensor
CozIR®-LP2			Ultra Low User Defined	<0.65 secs	2	31L x 19.5W x 8H 5g	± (45ppm + 3% of reading)	Compact, low power sensor with FC
CozIR®-Blink			Ultra Low User Defined	<0.07 secs	2	31L x 19.5W x 8H 5g	± (45ppm + 3% of reading)	Compact, low power sensor with FC and power cycling

CozIR

For lowpower, battery & IoT applications



- ✔ Up to 50X lower power than typical NDIR CO2 sensors
- 🕒 >15 years lifetime - low maintenance
- 📏 Small form factor easily fits into miniature instruments
- 📶 Ideal for integration into IAQ units which are battery-powered and wirelessly enabled

CozIR®sensor	Range	Typical Applications	Power Consumption	Start-up Time	Can Add Temp & RH% +
CozIR®-A	0-2000ppm 0-5000ppm 0-1%	Indoor air quality (IAQ) IoT HVAC Building control Horticulture & agriculture Food packaging Instrumentation Automotive Aerospace Safety	3.5mW	1.2 secs	✔
CozIR®-LP			3mW	1.2 secs	Available as a custom solution
CozIR®-LP2			3mW	1.2 secs	Unavailable



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