

## CO2Meter.com Sensor Comparison Chart

Sensor	Target Gas	Range	Technology	Frequency	Data Logger	Temp/Rh	I2C	UART Serial	Linear Voltage	Digital Alarm	Accuracy	Current (avg)	Supply Voltage	Additional Features
K30	CO2	10,000ppm	NDIR	2s	No	No	Yes	Yes	Yes	Yes	± 30 ppm ± 3% (mv)	40mA	5.5-12VDC	Most popular
K30-FR	CO2	1%	NDIR	0.5s	No	No	Yes	Yes	Yes	Yes	± 30 ppm ± 3% (mv)	70mA	5.5-12VDC	Fast Response
K30-ER	CO2	10%	NDIR	2s	No	No	Yes	Yes	Yes	Yes	± 30 ppm ± 3% (mv)	40mA	5.5-12VDC	Extended Range Ambient
K33-ICB	CO2	30%	NDIR	2s	No	No	Yes	Yes	Yes	Yes	± 0.2% (vol) ± 3% (mv)	40mA	5.5-12VDC	Biological CO2 monitoring
K33-ELG	CO2	1%	NDIR	15s-30days	Built-in	Yes	Yes	Yes	Yes	No	± 30 ppm ± 3% (mv)	250mA	5.5-12VDC	Built-in logger, 4 digital outputs
K33-BLG	CO2	30%	NDIR	15s-30days	Built-in	Yes	Yes	Yes	No	No	± 0.2% (vol) ± 3% (mv)	250mA	5.5-12VDC	Built-in logger, 4 digital outputs
LP8	CO2	10,000ppm	NDIR	16-120sec	No	No	No	Yes	No	No	± 50ppm ± 3% (mv)	61uA@60s	2.9-5.5VDC	Battery/Solar Power
S8	CO2	1%, 5%	NDIR	2s	No	No	No	Yes	No	Yes	± 0.02% (vol) ± 3% (mv)	30mA	5VDC	Smallest Sensor
SprintIR-WR	CO2	20 or 100%	LED-NDIR	0.05s	No	No	No	Yes	No	No	± 70 ppm ± 3% (mv)	15mA	3.3-5VDC	Extreme Speed, low power
COZIR-WR	CO2	5,20,65 or 100%	LED-NDIR	0.25s	No	No	No	Yes	Yes	No	± 50 ppm ± 3% (mv)	1.5mA	3.3-5VDC	Low power, 0-3V Analog Out
COZIR-AMB	CO2	2k, 5k, 10k ppm	LED-NDIR	0.25s	No	No	No	Yes	Yes	No	± 50 ppm ± 3% (mv)	1.5mA	3.3-5VDC	Low power, 0-3V Analog Out
COZIR-RH/T	CO2	2k, 5k, 10k ppm	LED-NDIR	1s	No	Yes	No	Yes	No	No	± 50 ppm ± 3% (mv)	1.5mA	3.3-5VDC	Low power, RH/T built-in
MISIR	CO2	5,000ppm	LED-NDIR	1s	No	No	No	Yes	No	No	± 50ppm ± 3%	6mA	3.25-4.25VDC	Replacement for GE Telaire
MiniIR	CO2	5% or 100%	LED-NDIR	0.5s	No	No	No	Yes	No	No	± 70 ppm ± 5% (mv)	1.5mA	3.25-4.25VDC	Small, low power consumption
WIN-0005	CO2	10,000ppm	NDIR	<30sec	No	No	No	Yes	Yes	No	± 50ppm±5%	50mA	4.5-5.5VDC	Telaire T6615 Replacement
TR-250Z	Oxy	0-25 or 95%	Zirconia	1s	No	No	No	Yes	No	No	± 0.5%	600mA	12-30VDC	Long life, high quality sensor
UV Flux	Oxy	0-25%	UV	1s	No	No	No	Yes	Yes	No	> 2% FS	6mA	4.5-5.5VDC	Low power, long-life. barometer
AlphaSense	Oxy	0-25%	ElectroChem	<15sec	No	No	No	No	Yes	No	<1% @ 3 months	n/a	n/a	uA output linear to O2 level
IAQ2000	VOCs	n/a	MOS	2s	No	No	Yes	Yes	Yes	No	n/a	22mA	5VDC	Detects Harmful VOCs
T9602	Temp + %RH	-20~70°C/0-100%	Capacitive	≤29s / ≤116s	No	Yes	No	No	Yes	No	±0.5°C/±2%	750uA	3.3VDC	No calibration



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