


CO2 SENSOR Module, Transmitter, Monitor, Flow-through Type

Box	Model	Type	Feature	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Signal	Box
CO2	T-205, T-205 IV	Module	Smolled, premium, ACEL, MCCL		Residential, Building, Agricultural, Industrial	NDR	0-2K, 0K, 5K, 10K, 20K, 50K, ppm	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	70mm x 20mm x 10.5mm
CO2	T-205, T-205 IV	Module	Smolled, Popular, ACEL		Residential, Building	NDR	0-2K, 0K, 5K, 10ppm	5V, 3.3V	+0.7ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	70mm x 20mm x 8.2mm
CO2	T-115, T-115 IV	Module	ACEL, MCCL		Residential, Building, Agricultural, Industrial	NDR	0-2K, 0K, 5K, 10K, 20K, 50K, ppm	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	70mm x 20.5mm x 8.5mm
CO2	S-115, S-115H	Module	General, ACCL		Residential, Building	NDR	0-2K, 0K, 5K, 10ppm	5V, 120V type	+0.5ppm ±0% / ±0.1ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	60mm x 20mm x 11.5mm
CO2	S-205, S-205 IV	Module	premium, ACCL, MCCL		Residential, Building, Agricultural, Industrial	NDR	0-2K, 0K, 5K, 10K, 20K, 50K, 100ppm	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	60mm x 20mm x 11.5mm
CO2	MF-5320A MF-5320B-IV	Module	Popular, ACCL		Residential, Building	NDR	0-2K, 5K, 10ppm	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	60mm x 20mm x 11.5mm / 11.5mm
CO2	B-510	Module	premium, ACCL, MCCL		Residential, Building, Agricultural, Industrial	NDR	0-2K, 5K, 10ppm	12V	+0.5ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	60mm x 20mm x 2.5mm
CO2	H-210	Module	2% higher concentration, MCCL		Industrial	NDR	0-5%, 10%, 20%, 25%	5V, 3.3V	+0.25% (100ppm) ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	62.5mm x 20mm x 4.5mm
CO2	D-205, D-205-IV	Module	Dual sensor, premium, ACCL, MCCL		Residential, Building, Agricultural, Industrial	NDR	0-2K, 5K, 10K, 20K, 50K, 100ppm	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	60mm x 20mm x 11.5mm
CO2	D-202	Module	Dual sensor, premium, ACCL, MCCL		Residential, Building, Agricultural, Industrial	NDR	0-2K, 5K, 10ppm	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C, Analog	1-10V PWM I2C: PCB coating to operate up to 90% RH	60mm x 20mm x 10.5mm
CO2	CO2-U3-1000	Module	accurate low concentration, MCCL		Industrial, Inverter	NDR	0-100, 500, 1000ppm	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C	1-10V PWM I2C: PCB coating to operate up to 90% RH	60mm x 20mm x 10.5mm
CO2, Temp	CO-100(S), CO-200, 300, 400	Transmitter	LED option 82-87°C operation ACCL, MCCL		Residential, Building, Agricultural, Industrial	NDR	0-2K, 5K, 10ppm	24VDC, 24VAC	+0.5ppm ±0% of reading	RS485, RS422, RS-232C, RS-485	1-10V PWM I2C: PCB coating to operate up to 90% RH	120mm x 70mm x 45mm (LxWxH)
CO2 (CO), iOC, Temp, Humid	AQM-300	Transmitter	Multi sensor utilization, premium, ACCL, MCCL		Residential, Building, Agricultural, Industrial	NDR / semiconductor / Electro-Chemical	0-100ppm	12VDC, 24VDC, 24V	CO2 ±0.5ppm ±0% of reading CO ±0.1% L.S. Temp ±0.1°C / Humid ±0% RH (10-90%)	RS485, RS422, RS-232C, RS-485	RS-485/Modbus RS-485	80mm x 100mm x 20mm (LxWxH)
CO2 (CO), iOC, Temp, Humid	MB-3302	Monitor	LED, iWR, ACCL, MCCL		School, Residential, Building	NDR / semiconductor / Electro-Chemical	0-100ppm	12V/5V/0V	CO2 ±0.5ppm ±0% of reading Temp ±0.1°C / Humid ±0% RH	i2C, I2C, RS485/Modbus RS-485, USB	RS-485/Modbus RS-485, USB RS-232C/RS485	100mm x 100mm x 20mm
CO2	MF-200H	Monitor	Smolled, USB type		2nd-4th, Car, Mobile phone	NDR	0-100ppm, 5%	USB	+0.5ppm ±0% of reading	USB, I2C	I2C: PCB coating to operate up to 90% RH	77.5mm x 20mm x 17.5mm
CO2	CO2-S100-IV	Flow through	Flow-through type, ACCL, MCCL		Industrial	NDR	0-2K, 5K, 10K ppm, 25, 75, 50, 75%	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C	1-10V PWM I2C: PCB coating to operate up to 90mm x 20mm (LxW)	90mm x 20mm (LxW)
CO2	CO2-O100-IV	Flow through	Flow-through type, Dual sensor, ACCL, MCCL		Industrial	NDR	0-2K, 5K, 10K ppm, 25, 75, 50, 75%	5V, 3.3V	+0.5ppm ±0% of reading	UART, I2C	1-10V PWM I2C: PCB coating to operate up to 90mm x 20mm (LxW)	90mm x 20mm (LxW)
CO2	CO2-H200-IV	Flow through	Flow-through type, 2% higher concentration, Aluminum Housing, MCCL		Industrial	NDR	0-25%	5V, 3.3V	+0.25% (100ppm) ±0% of reading	UART, I2C	1-10V PWM I2C: PCB coating to operate up to 90% RH	90mm x 20mm (LxW)
CO2	CO2-P100	Transmitter	2% higher concentration, Aluminum Housing, MCCL		Inverter	NDR	0-25%	5V	+0.25% (100ppm) ±0% of reading	UART, I2C	0-25V RS485/Modbus x 60mm	70.5mm x 60.5mm x 60mm

### CO SENSOR Module, Transmitter, Flow-through Type

Size	Model	Type	Features	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
Q1	CO-120-IV	Module	High accuracy, stability, lifetime (3years), precision, MCXL		Residential, Industrial, Maritime	Electro-Chemical	0-100ppm CO	3.0V	± 3% F.S.	UART, I2C, PWM/Alarm	① PCB coating to prevent from humidity ② 30mm x 25mm (0.25inch)	30mm x 25mm
Q1	CO-16MD-IV	Module	High accuracy, stability, precision, MCXL		Residential, Industrial	Electro-Chemical	0-100ppm CO	3.0V	± 3% F.S.	UART, I2C, PWM/Alarm	① PCB coating to prevent from humidity ② 30mm x 25mm (0.25inch)	30mm x 25mm
Q1	CO-88MD	Module	Popular		Residential	Electro-Chemical	0-100ppm CO	5V	± 3% F.S.	I2C, Modbus	① PCB coating to prevent from humidity ② 30mm x 25mm (0.25inch)	30mm x 25mm
Q1	CO0-80 (CO0-300-HC)	Transmitter	General, MCXL		Parking Lot, Boiler room	Semi Conductor	0-200ppm CO	20V DC	± 10% F.S.	Serial, RS485, RS-485, RS-422, RS-485	① LCD-Display to prevent from humidity ② 120mm x 40mm (4.7inch)	120mm x 40mm
Q1	CO0-80 (CO0-300-HC)	Transmitter	High accuracy, stability, lifetime (3years), precision, MCXL		Parking Lot, Boiler room	Electro-Chemical	0-200ppm CO (0-100ppm CO)	20V DC	± 3% F.S.	Serial, RS485, RS-485, RS-422, RS-485	① LCD-Display to prevent from humidity ② 120mm x 40mm (4.7inch)	120mm x 40mm
Q1	CO0-80	Transmitter	High accuracy, stability, lifetime (3years), precision, MCXL		Parking Lot, Boiler room	Electro-Chemical	0-100ppm CO	20V DC	± 3% F.S.	Serial, RS485, RS-485, RS-422, RS-485	① LCD-Display to prevent from humidity ② 120mm x 40mm (4.7inch)	120mm x 40mm
Q1	CO-120-PF	Flow through	Flow-through type, Aluminum Housing, MCXL		CO gas detector	Electro-Chemical	0-100ppm CO	3.0V (option: 2.7 V for battery)	± 3% F.S.	UART or I2C or PWM or Alarm	① PCB coating to prevent from humidity ② 30mm x 25mm (0.25inch)	30mm x 25mm



### CH4, C3H8, C4H10 SENSOR Module, Transmitter, Flow-through Type

Size	Model	Type	Features	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
CH4, C3H8, C4H10	CH4-01 (CH4-C3H8-C4H10)	Dual Module	High accuracy, stability, ACXL, MCXL		Leak detection	NDIR	0-100% LEL (0-1000ppm)	3.0V, 5V	± 3% F.S.	UART, I2C, Analog	① Low Power, to regenerate night 90% life ② 30mm x 25mm (1.18inch)	30mm x 25mm
CH4, C3H8, C4H10	CH4-11 (CH4-C3H8-C4H10)	Module	High accuracy, stability, ACXL, MCXL		Leak detection	NDIR	0-100% LEL (0-1000ppm)	3.0V, 5V	± 3% F.S.	UART, I2C, Analog	① Low Power, to regenerate night 90% life ② 30mm x 25mm (1.18inch)	30mm x 25mm
CH4, C3H8, C4H10	CH4-12V-IV (CH4-C3H8-C4H10)	Dual Module	accurate low concentration, ACXL, MCXL, 400-1000ppm, flow-through type		Leak detection	NDIR	0-1000ppm (Resolution: 100ppm)	3.0V	± 3% F.S.	UART, I2C	① Low Power, to regenerate night 90% life ② 30mm x 25mm (1.18inch)	30mm x 25mm
CH4, C3H8, C4H10	CH4-K1000-P (CH4-C3H8-C4H10)	Module	accurate low(0ppm) concentration, 0% compensation, ACXL, MCXL, 400-1000ppm, flow-through type		Leak detection	NDIR	0-1000ppm (Resolution: 10ppm)	5V/DC	± 3% F.S.	UART, I2C, Analog, RS485 option	① Low Power, to regenerate night 90% life ② 30mm x 25mm (1.18inch)	30mm x 25mm
CH4, C3H8, C4H10	CH4-C0300 (CH4-C3H8-C4H10)	Transmitter	3 wired, high concentration detector		Gas detection, high accuracy, stability	NDIR	0-100% LEL (0-1000ppm)	20V DC	± 3% F.S.	Serial, RS485, RS-485, RS-422, RS-485	① LCD-Display to prevent from humidity ② 120mm x 40mm (4.7inch)	120mm x 40mm
CH4, C3H8, C4H10	CH4-C0400 (CH4-C3H8-C4H10)	Transmitter	4 wired, high concentration detector		Gas detection, high accuracy, stability	NDIR	0-100% LEL (0-1000ppm)	20VDC, 24VAC	± 3% F.S.	Serial, RS485, RS-485, RS-422, RS-485	① LCD-Display to prevent from humidity ② 120mm x 40mm (4.7inch)	120mm x 40mm
CH4, C3H8, C4H10	CH4-12-PF (CH4-C3H8-C4H10)	Flow through Single sensor	High concentration, Popular		Flow-through type Industrial Aluminum Housing	NDIR	0-100% LEL (0-1000ppm)	5V	± 3% F.S.	UART or I2C or PWM or Alarm or Analog	① Low Power, to regenerate night 90% life ② 30mm x 25mm (1.18inch)	30mm x 25mm
CH4, C3H8, C4H10	CH4-03-PF (CH4-C3H8-C4H10)	Flow through Dual sensor	High concentration, dual sensor		Flow-through type Industrial Aluminum Housing	NDIR	0-100% LEL (0-1000ppm)	5V	± 3% F.S.	UART or I2C or PWM or Alarm or Analog	① Low Power, to regenerate night 90% life ② 30mm x 25mm (1.18inch)	30mm x 25mm



## C2H4 SENSOR Module, Transmitter, Flow-through Type

Size	Model	Type	Feature	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
C2H4	C2H4-SM50-FV	Module	low concentration, high accuracy, stability, ACES, MCES		agriculture products storage, fruit opening, C2H4 gas detector	Electro-Chemical	0-10ppm, 0-100ppm (option: 2.7 V for battery)	0.5V (option: 2.7 V for battery)	±5.0%	UART, I2C, PC/MCU/Arduino	① PCB coating to prevent from moisture ② Low Power ③ PCB coating to regenerate up to 90% life	① 30mm x ② 30mm x ③ 20mm (0.219)
C2H4	C2H4-S3-0V	Module	high accuracy, stability, ACES, MCES		Leak detection	NDR	0-100% LEL (0- 27000ppm)	0.5V	±5.0%	UART, I2C, Analog	① Low Power ② PCB coating to regenerate up to 90% life	① 30mm x ② 30mm x ③ 15mm (0.219)
C2H4	C2H4-S3-0V	Dual Module	high accuracy, stability, ACES, MCES		Leak detection	NDR	0-100% LEL (0- 27000ppm)	0.5V	±5.0%	UART, I2C, Analog	① Low Power ② PCB coating to regenerate up to 90% life	① 30mm x ② 30mm x ③ 15mm (0.219)
C2H4	C2H4-12-P-V (C2H4-S4-FV)	Dual Module	accurate low concentration, ACES, MCES, flow-through type, flow-through type		fruit opening	NDR	0- 2000 ppm, 27000ppm (100%LEL)	0.5VDC	±5.0%	UART, I2C, Analog	① Low Power ② PCB coating to regenerate up to 90% life	① 30mm x ② 30mm x ③ 15mm (0.219)
C2H4	C2H4-E300-F (C2H4-E300-F)	Module	accurate low concentration, low temperature, ACES, MCES, flow-through type, flow-through type		fruit opening	NDR	0-2000ppm	5.2VDC	±5.0%	UART, I2C, Analog, RS485 option	① Low Power ② PCB coating to regenerate up to 90% life	① 30mm x ② 30mm x ③ 15mm (0.219)
C2H4	C2H4-CD300	Transmitter	low concentration, leak detection, ACES, MCES		agriculture products storage, fruit opening, leak detection	Electro-Chemical	0-10,100,1000 NDR (0-2000,1000,27000ppm)	20V DC	±5.0%	RS485, RS422, RS485, RS422	① LCD-Display ② PCB coating to prevent from moisture	① 30mm x ② 70mm x ③ 30mm (0.219)
C2H4	C2H4-CD300	Transmitter	low-high concentration, leak detection, ACES, MCES		agriculture products storage, fruit opening, leak detection	Electro-Chemical	0-10,100,1000, 2000,1000,27000ppm (100%LEL)	20V DC	±5.0%	Relay, RS422, RS485, RS422	① LCD-Display ② PCB coating to prevent from moisture	① 30mm x ② 70mm x ③ 30mm (0.219)
C2H4	C2H4-CD300	Transmitter	flow-through type, low-high concentration		agriculture products storage, fruit opening, leak detection	Electro-Chemical	0-10,100,1000, 2000,1000,27000ppm (100%LEL)	20V DC	±5.0%	Relay, RS422, RS485, RS422	① Low Power ② PCB coating to regenerate up to 90% life	① 30mm x ② 70mm x ③ 30mm (0.219)
C2H4	C2H4-SM50-FV	Flow Through	low concentration, high accuracy, leak detection		agriculture products storage, fruit opening, leak detection	Electro-Chemical	0-10,100,1000, 2000,1000,27000ppm (100%LEL)	0.5VDC	±5.0%	UART or I2C or PC/MCU or Arduino	① PCB coating to prevent from moisture	① 30mm x ② 30mm x ③ 20mm (0.219)



## C2H2 SENSOR Module, Transmitter

Size	Model	Type	Feature	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
C2H2	C2H2-E300-F (C2H2-E300-F)	Module	low-high concentration, ACES, MCES, low CH4 gas interference		low concentration C2H2 detection, Substation, Welding place	NDR	0-2000ppm, 0-1000ppm	12V DC	±5.0%	UART, I2C, RS485 option	① Low Power ② PCB coating to regenerate up to 90% life	① 30mm x ② 30mm x ③ 15mm (0.219)
C2H2	C2H2-CD300	Transmitter	flow-through type, low-high concentration, ACES, MCES, low CH4 gas interference		C2H2 Detection, Leak Detection, Substation, Welding place	NDR	0-1000ppm	20V DC	±5.0%	Relay, RS422, RS485, RS422	① Low Power ② PCB coating to regenerate up to 90% life	① 30mm x ② 70mm x ③ 30mm (0.219)




## NH3 SENSOR Module, Transmitter

Size	Model	Type	Feature	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
NH3	NH3-SM50-FV	Module	low concentration, high accuracy, stability, ACES, MCES		NH3 gas detector	Electro-Chemical	0-100ppm NH3	0.5V (option: 2.7 V for battery)	±5.0%	UART, I2C, PC/MCU/Arduino	① PCB coating to prevent from moisture	① 30mm x ② 30mm x ③ 20mm (0.219)
NH3	NH3-CD300	Transmitter	low concentration, high accuracy, stability, ACES, MCES		NH3 gas detector	Electro-Chemical	0-100ppm NH3	20V DC	±5.0%	Relay, RS422, RS485, RS422	① LCD-Display ② PCB coating to prevent from moisture	① 30mm x ② 70mm x ③ 30mm (0.219)

## H2S SENSOR Module, Transmitter

Size	Model	Type	Feature	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
H2S	H2S-SM50-FV	Module	low concentration, high accuracy, stability, ACES, MCES		H2S gas detector	Electro-Chemical	0-100ppm H2S	0.5V (option: 2.7 V for battery)	±5.0%	UART, I2C, PC/MCU/Arduino	① PCB coating to prevent from moisture	① 30mm x ② 30mm x ③ 20mm (0.219)
H2S	H2S-CD300	Transmitter	low concentration, high accuracy, stability, ACES, MCES		H2S gas detector	Electro-Chemical	0-100ppm H2S	20V DC	±5.0%	Relay, RS422, RS485, RS422	① LCD-Display ② PCB coating to prevent from moisture	① 30mm x ② 70mm x ③ 30mm (0.219)




### NO2 SENSOR Module, Transmitter, Flow-through Type

Size	Model	Type	Feature	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
NO2	NO2-IM30-IV	Module	Low concentration, High accuracy, Stability, AC/DC, MCCL		NO2 gas detector	Electro Chemical	0.0~10ppm NO2	5.0V option: 2.7 V for battery)	±5.0%	UART, OC,PWM,Alarm	① PCB coating to prevent from humidity	33mm x 33mm x 23mm (L,D,H)
NO2	NO2-CE300	Transmitter	Low concentration, High accuracy, Stability, AC/DC, MCCL		NO2 gas detector	Electro Chemical	0.0~10ppm NO2	20V DC	±5.0%	Serial, RS-232C, RS-485	① LCD-Display ② PCB coating to prevent from humidity	123mm x 70mm x 33mm (L,D,H)
NO2	NO2-IM30-FF	Flow through	Flow-through type, Low concentration, Stability, AC/DC, MCCL		NO2 gas detector, Industrial	Electro Chemical	0.0~10ppm NO2	5.0V	±5.0%	UART or OC or PWM or Alarm	① PCB coating to prevent from humidity	33mm x 33mm x 23mm (L,D,H)

### SO2 SENSOR Module, Transmitter, Flow-through Type

Size	Model	Type	Feature	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
SO2	SO2-IM30-IV	Module	Low concentration, High accuracy, Stability, AC/DC, MCCL		SO2 detector	Electro Chemical	0~10ppm SO2	5.0V option: 2.7 V for battery)	±5.0%	UART, OC,PWM,Alarm	① PCB coating to prevent from humidity	33mm x 33mm x 23mm (L,D,H)
SO2	SO2-CE300	Transmitter	Low concentration, High accuracy, Stability, AC/DC, MCCL		SO2 detector	Electro Chemical	0~10ppm SO2	20V DC	±5.0%	Serial, RS-232C, RS-485	① LCD-Display ② PCB coating to prevent from humidity	123mm x 70mm x 33mm (L,D,H)
SO2	SO2-IM30-FF	Flow through	Flow-through type, Low concentration, Stability, AC/DC, MCCL		SO2 detector, Industrial	Electro Chemical	0~10ppm SO2	5.0V option: 2.7 V for battery)	±5.0%	UART or OC or PWM or Alarm	① PCB coating to prevent from humidity	33mm x 33mm x 23mm (L,D,H)

### O2 SENSOR Module, Transmitter, Flow-through Type

Size	Model	Type	Feature	Image	Application	Sensing Method	Measurement Range	Power Input	Accuracy	Output	Option	Size
O2	O2-IM30-IV	Module	High accuracy, Stability, AC/DC, MCCL		O2 detector	Electro Chemical	0~25% O2	5.0V option: 2.7 V for battery)	±5.0%	UART, I2C	① PCB coating to prevent from humidity	33mm x 33mm x 23mm (L,D,H)
O2	O2-CE300	Transmitter	High accuracy, Stability, AC/DC, MCCL		O2 detector	Electro Chemical	0~25% O2	20V DC	±5.0%	Serial, RS-232C, RS-485	① LCD-Display ② PCB coating to prevent from humidity	123mm x 70mm x 33mm (L,D,H)
O2	O2-IM30-FF	Flow through	Flow-through type, High accuracy, Stability, AC/DC, MCCL		O2 detector, Industrial	Electro Chemical	0~25% O2	5.0V option: 2.7 V for battery)	±5.0%	UART or I2C	① PCB coating to prevent from humidity	33mm x 33mm x 23mm (L,D,H)