

Sensor Module-IAGCO2

Carbon Dioxide Sensor Module



HIGHLIGHT FEATURES

- High Precision CO2 Detection
- Fast Response and Recovery Time
- Low Power Consumption with High Efficiency
- Wide Operating Range : -10°C to 50°C and 15% to 90% Humidity
- Seamless Integration via I²C Communication Protocol, Plug-and-Play Support
- Durable and Maintenance-free Operation

SPECIFICATIONS

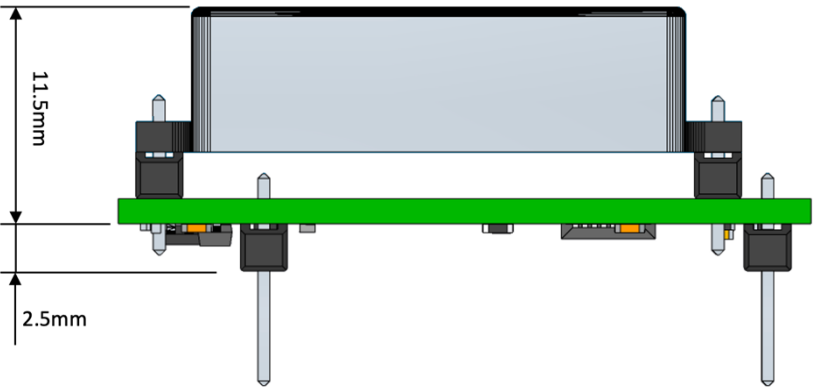
Model	IAGCO2
Detection	Carbon Dioxide (CO2)
Principle	Non-dispersive Infrared (NDIR)
Measurement range (ppm)	0 ~ 5000
Resolution (ppm)	1
Accuracy (ppm)	±30±3% of Reading
Response time (T90) (sec)	<120
Operation temp. (°C)	-10 ~ 50 (Ta)
Operation Humidity (%RH)	15 ~ 90
Expected operating life (year)	3
Power supply (V)	V _{DD} : 4.8 ~ 5.2 V _{DDIO} : 3.1 ~ 3.5
Power consumption (mW)	150
Interface	I ² C
Dimension (L x W x H/mm)	37 x 21 x 14

ORDER INFO.

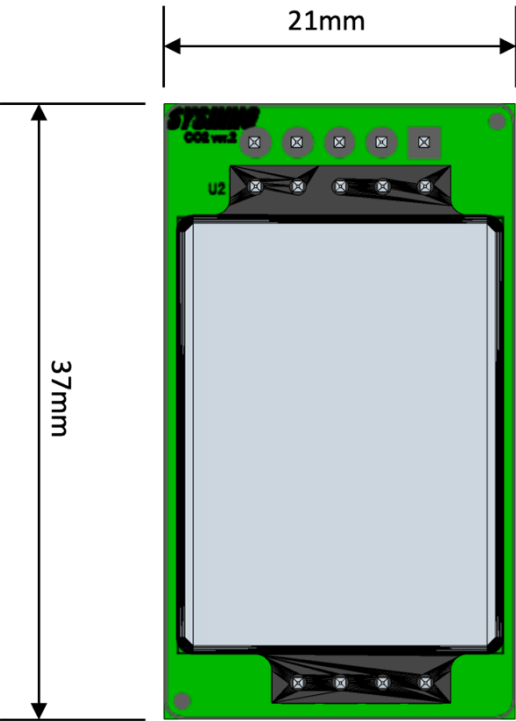
P/N	Description
EA3-2AASMM0CI03S4	IAGCO2 CO2 Sensor Module

MECHANICAL DRAWING

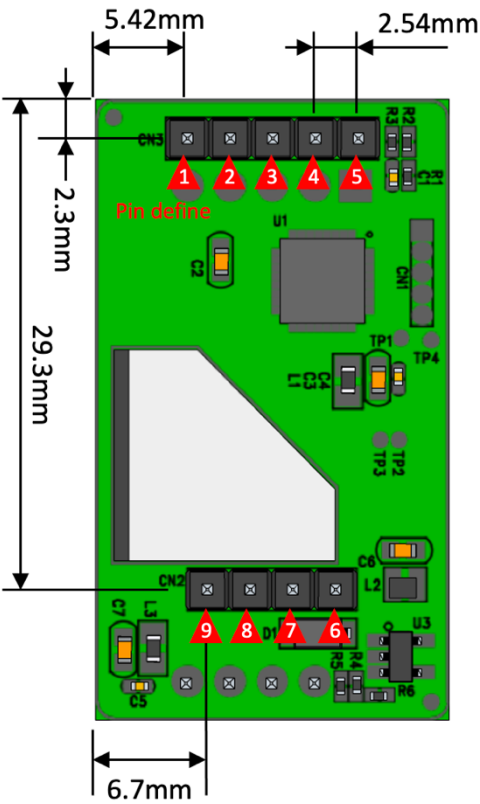
Slide View



Top View



Bottom View



PIN DEFINE



CN3

CN2

CN2 1 x 4Pin Header	
Pin	Signal
1	GND
2	NC
3	NC
4	V _{DD}

CN3 1 x 5Pin Header	
Pin	Signal
1	V _{DD}
2	SDA
3	SCL
4	GND
5	RSTn

