

## CO<sub>2</sub> Transmitter for Indoor / Duct Type



### Application

1. HVAC control.
2. Instrument testing equipment.
3. Environmental control and monitoring system.
4. Ventilation system control for parking lot and building.
5. Green houses, fruit and vegetable storage.

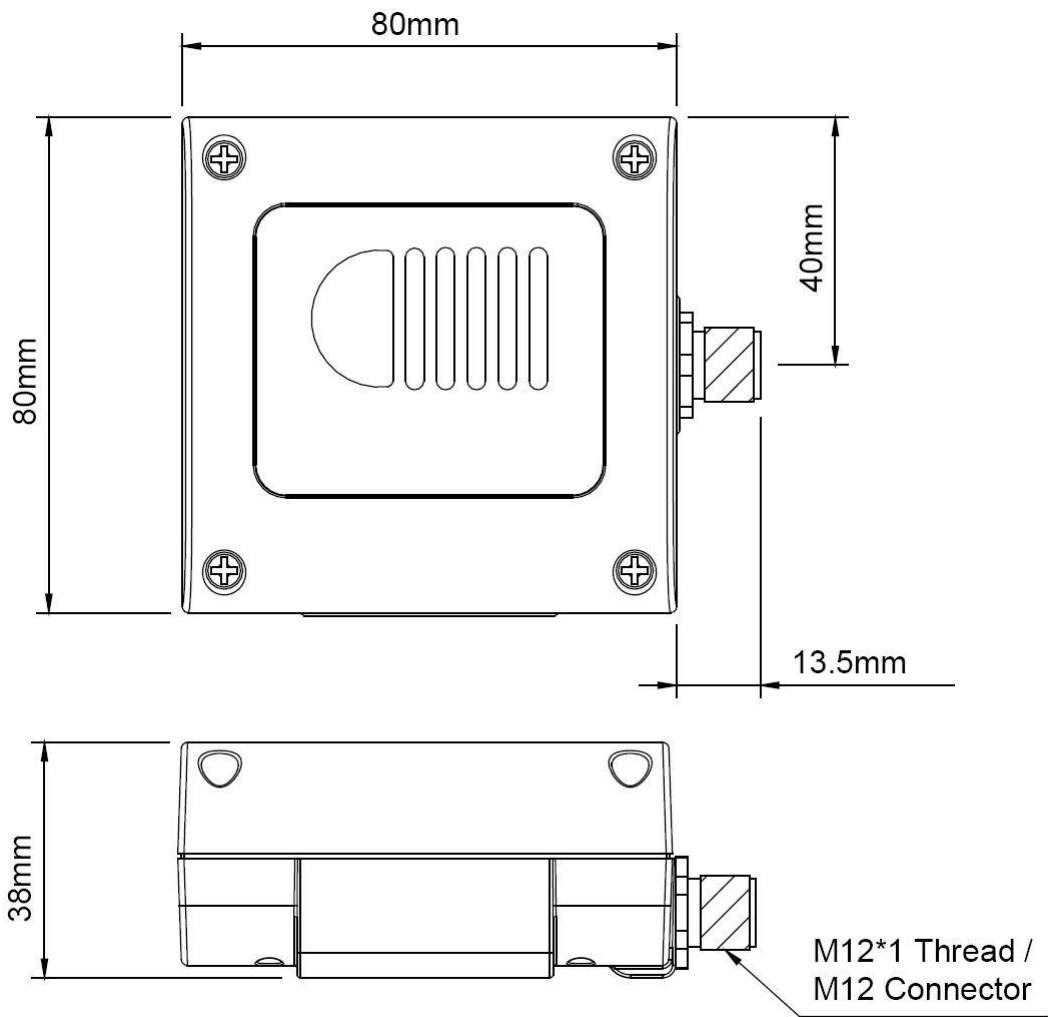
### Features

With the high CO<sub>2</sub> concentration indoors, people will feel tired easily. So by controlling the CO<sub>2</sub> value relevantly, people will feel more energetic. CO<sub>2</sub> transmitter now is substantially used inside the buildings and some even being applied in agriculture to help foster the growth the plants in a more healthier and quicker way.

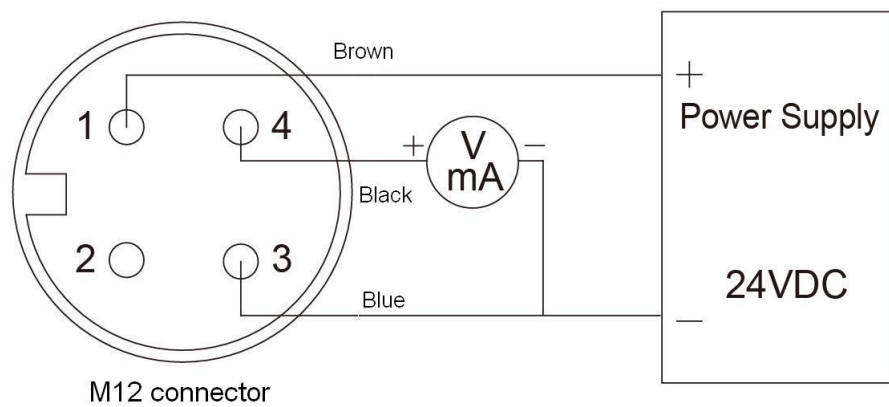
# Standard Specification

Sensor type	NDIR sensor
Measuring range	2000 / 5000 / 10000PPM
Working range	2000 / 5000 / 10000PPM
Output	0~10V / 4~20mA (programmable) ; 3-wire
Linear accuracy	±30 ppm ±3 % of measured value
Sensitivity	±20 ppm ±1 % of measured value
Load resistance	≤ 500Ω for 4~20mA ≥ 10 KΩ for 0~10V
Output calibration (ZERO & SPAN) adjustment range	10% of zero-point and full-range
Response time	MGS03 : 20 sec., MGS04 : 15min. diffusion time
Media measured	non-aggressive gas (HVAC system)
Media temperature	0~50°C
Working temperature	0~50°C
Working humidity	0~95% (non-cond.)
Storage temperature	-30~70°C
Tolerance of zero-point	±30 ppm / 10 K
Tolerance of measuring range	±30 ppm / 10 K
Power supply	DC 24V ±10%
Current consumption	< 70 mA
Starting current	> 0.6A
Electrical connection	M12 connector
Installation	Indoor / duct type
Way to fix	screw on the base
Protection degree	housing IP: 54, MGS04 : IP64
Electrical protection	over-voltage / polarity
Certification	CE
Housing	PC fire-proof class (PC-110)
Weight	140g
Option	N1-52 / N1-53 / N1-54 / N1-55 / N1-56 / N1-57 / Draft tube / PVC tube * 2M * 2 pcs

# External Dimension



# Diagram



4 - 20mA / 0 -10V

## Order information

MGS **03** - **1** **1** **1** **2** - **M**  
**A** **B** **C** **D** **E** **F**

(A) Installation	(B) Input	(C) Output	(D) Power Supply	(E) CO2 Range	(F) Option
03 : indoor 04 : duct-mounting	1 : CO2	1 : 4~20mA 6 : 0~10V	1 : 24 VDC+/-10%	2 : 2000 PPM 5 : 5000 PPM 8 : 10000 PPM	M : M12*1 thread / M12 connector

## Contact

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