

# GS03 / GS04

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



### APPLICATIONS

#### 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.

#### Applications

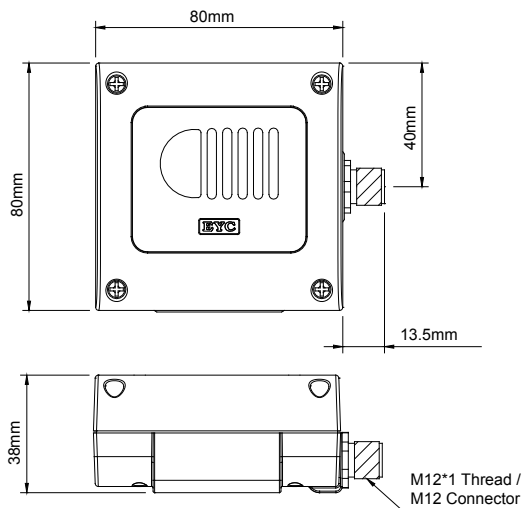
- HVAC control.
- Instrument testing equipment.
- Environmental control and monitoring system.
- Ventilation system control for parking lot and building.
- Green houses, fruit and vegetable storage.



**GS 03** - **1** **1** **1** **2** - **M**

Installation	Input	Output	Power Supply	CO <sub>2</sub> Range	Option
03 : indoor 04: duct-mounting	1 : CO <sub>2</sub>	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

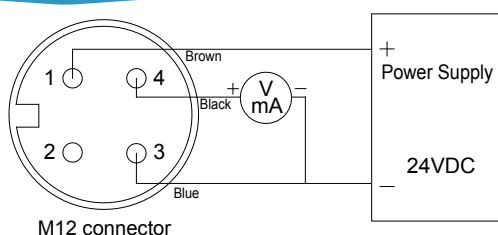
### DIMENSION



### TECHNICAL SHEET

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 ..... GS03: 20sec. ; GS04: 15min.diffusion time  
 Media measure d ..... 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 ..... GS03 : IP54; GS04 : 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

### CONNECTION DIAGRAM



4 - 20mA / 0 - 10V