

GS03 / GS04

CO₂ Transmitter for Indoor Type / Duct Type

APPLICATIONS

Features

- With the high CO₂ concentration indoors, people will feel tired easily. So by controlling the CO₂ value relevantly, people will feel more energetic. CO₂ 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.

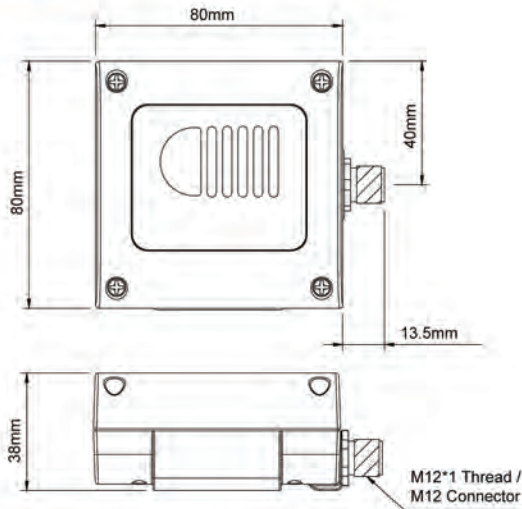
Applications

- 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 ₂ Range	Option		
03 : indoor 04 : duct-mounting	1 : CO ₂	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

