CO_2 Transmitter for Indoor Type / Duct Type

Equinox™

Features

With the high CO_2 concentration indoors, people will feel tired easily. So by controlling the CO_2 value relevantly , people will feel more energetic. CO_2 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

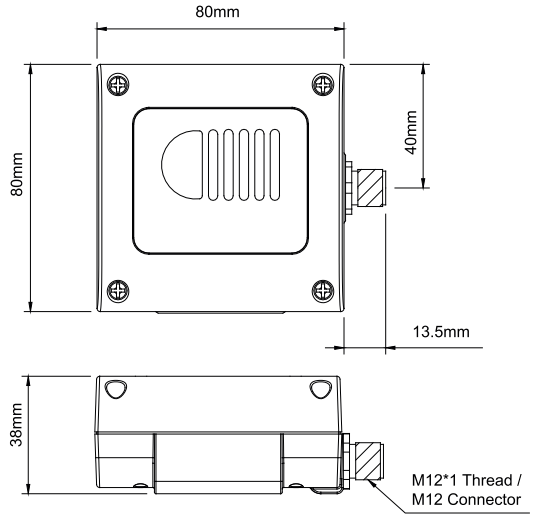
- HVAC control.
- Instrument testing equipment.
- Environmental control and monitoring system.
- Ventilation system control for parking lot and building.
- Green houses, fruit and vegetable storage.

EQ - GS03 / GS04

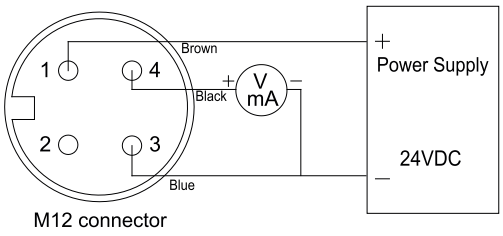
GS 03 - 1 1 1 2 - M

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



CONNECTION DIAGRAM



4 - 20mA / 0 -10V

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 accurcy .....±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 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
Way to fix..... screw on the base
Protection degree .....housing IP: 54
Electrical protection ..... over-voltage, polarity
Certification .....CE
Housing .....PC fire-proof class (PC-110)
Weight 140g

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