



GM33

CO Transmitter(Wall Type)



## | Features |

- Electrochemical Sensor with a long life, good long term stability and high accuracy
- It has lower sensitivity to interferant gases
- High repeatability

## | Applications |

Monitoring for HVAC / Air conditioning system / Instrument testing equipment / Environmental control and monitoring system / Ventilation system control for indoor parking garages and building

※ Application for environmental monitoring only. Not for CO industrial environmental and life support system.

## | Specification |

### Input

Sensor type	Electrochemistry CO Sensor
Measuring range	On request
Operating range	0 ... 500 PPM

### Output

Output	0 ... 10 V / 4 ... 20 mA / RS-485 / RS-485 & analog
Signal connection	3-wire
Sensitivity	< ±10 PPM of measured value
Load resistance	≤ 500 Ω for 4 ... 20 mA ; ≥ 10 KΩ for 0 ... 10 V
Output calibration	Factory software calibration
Response time(t90)	< 60 s

### linear accuracy(at 25 ±2°C , 40 ±10%RH)

CO	± 3 % of F.S. (Best zero-point)
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### Electrical

Medium	Non-aggressive gas(HAVC system)
Medium temperature	0 ... 50°C
Operating temperature	0 ... 50°C
Operating humidity	5 ... 95%RH(Non-condensing)
Storage temperature	-10 ... +60°C
Tolerance of zero-point	<±10 PPM

### Electrical

Power supply	AC 12 ... 30 V & DC 8 ... 35 V
Current consumption	DC 24 V : 60 mA / DC 12 V : 180 mA AC 24 V : 140 mA / AC 12 V : 230 mA
Electrical connection	M12(4P or 5P)metal connector (With 2 m cable)

### Installation

Installation	Wall type
Fixed seat	Screw on base

### Protection

IP rating	Body : IP65 / Sensor : IP20
Electrical protection	■ Polarity protection ■ Over-voltage ■ Short-circuit

### Certification

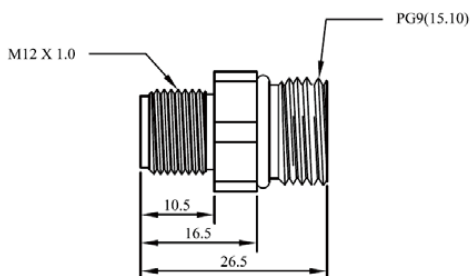
Certification	CE
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### Material

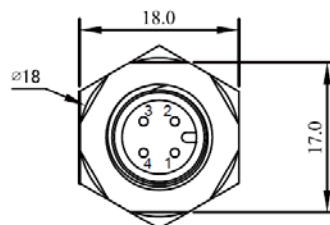
Housing	PC fire-proof class(UL94V-2)
Weight	162 g

\*Please make sure the product and the device which connect with RS-485 are on common ground, avoid damaged product.

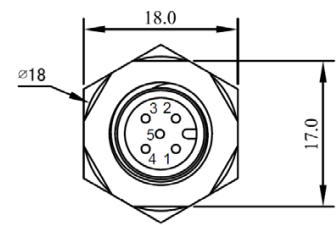
## | Electric Connector | Unit : mm



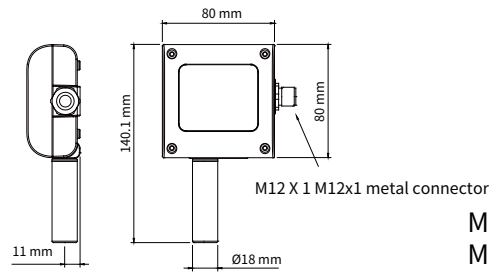
【M type (M12-4PIN metal connector)  
RS-485 or analogue】



【M type (M12-5PIN metal connector)  
RS-485+analogue】

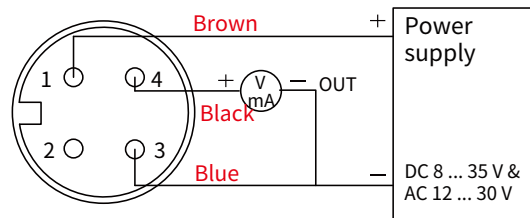


## | Dimension |



M type (4P) : RS-485 or analog  
 M type (5P) : RS-485 + analog

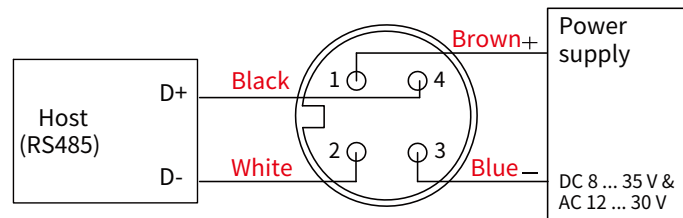
## | Analog Diagram |



M12 connector

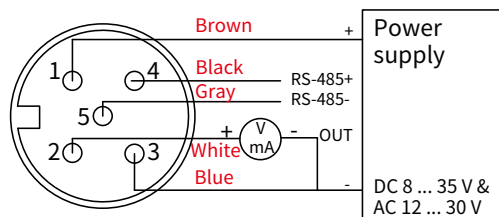
M type (4P)

## | RS-485 Diagram |



M type (4P)

## | Analog+RS-485 Diagram |



M type ( M12, 5P ) connector

## | Ordering Guide |

