



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	0 ... 500 PPM

### Output

Output	4 ... 20 mA + RS-485
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

### Accuracy(at 25 ±2°C, 40 ±10%RH)

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

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 (5P) connector (With 2 m cable)

### Installation

Installation	Wall type
Fixed seat	Screw on base

### Protection

IP rating	Body : IP65 / Sensor : IP20
Electrical protection	<ul style="list-style-type: none"> <li>■ Reverse polarity</li> <li>■ Over-voltage</li> <li>■ Short-circuit</li> </ul>

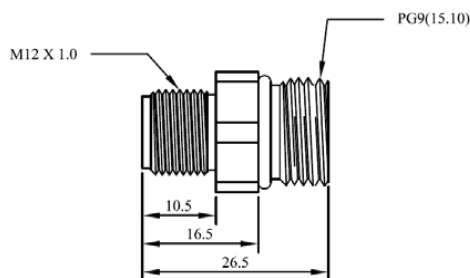
### Certification

Certification	CE
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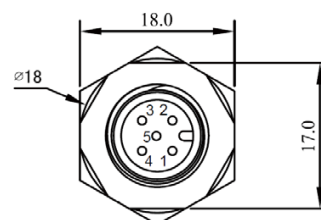
### Material

Housing	PC(UL94V-2)
Weight	162 g

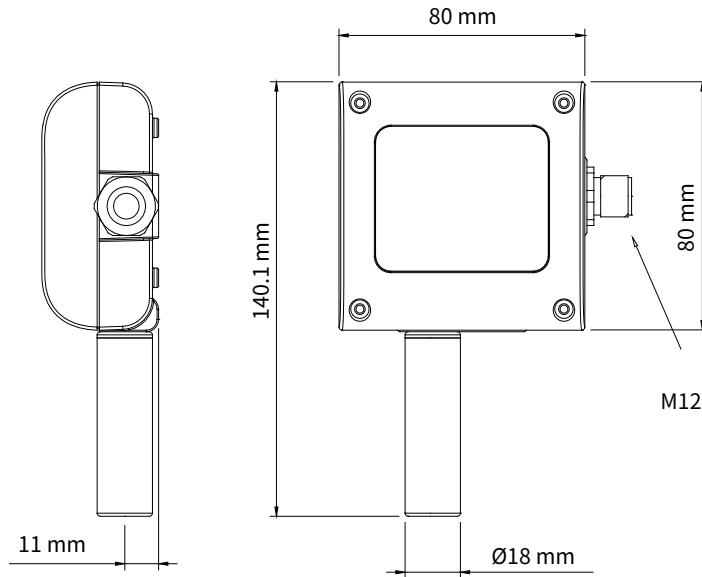
## | Electric Connector | Unit : mm



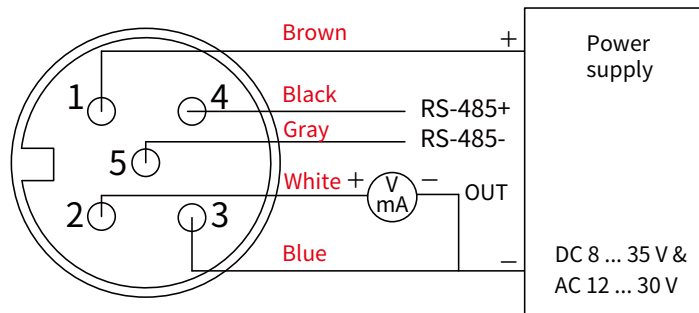
M type (M12-5PIN connector)



## | Dimension |



## | Diagram |



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

## | Ordering Guide |

