



SERIES CDWP | CARBON DIOXIDE TRANSMITTER



BENEFITS/FEATURES

- No durability concerns with the rugged aluminum housing
- No water ingress or corrosion concerns with the IP54 housing that withstands 168 hour salt spray testing
- Reduce operation costs using a low energy, reliable, and repeatable CO₂ sensor

APPLICATIONS

- Animal husbandry
- Mechanical room
- CO₂ refrigeration monitoring
- Greenhouses

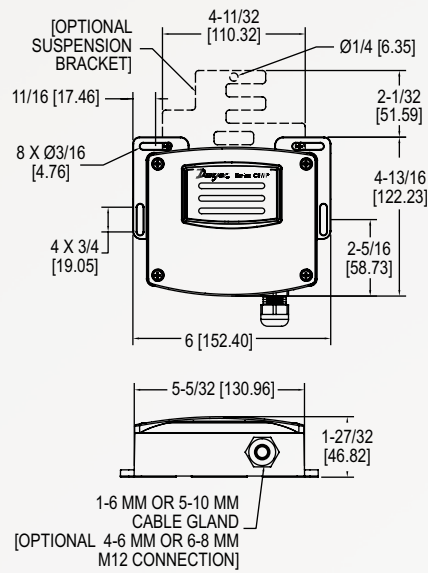
DESCRIPTION

The **Series CDWP Carbon Dioxide Transmitter** accurately monitors the CO₂ concentration in industrial and indoor environments to help achieve energy savings. The CDWP utilizes a rugged IP54 aluminum housing with an exterior gray finish coat that was tested to withstand a 168 hour salt spray corrosion test. This ruggedized housing helps to protect the sensor from splashing liquid and airborne dust or debris making the Series CDWP a great fit for animal husbandry applications and confined feeding operations.

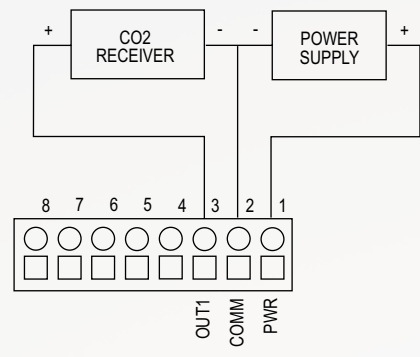
SPECIFICATIONS

Sensor	NDIR.
Range	CO ₂ : 0 to 2000, 0 to 5000, or 0 to 10000 PPM (depending on model).
Accuracy	CO ₂ : ±40 PPM + 3% of reading (2000 PPM); ±50 PPM + 5% of reading (5000 PPM); ±50 PPM + 10% of reading (10000 PPM).
Temperature Dependence	±8 PPM/°C at 1100 PPM (2000 and 5000 PPM); N/A (10000 PPM).
Non-Linearity	16 PPM (2000 and 5000 PPM); N/A (10000 PPM).
Pressure Dependence	0.13% of reading per mm of Hg (2000 and 5000 PPM); N/A (10000 PPM).
Response Time	300 s (τ_{63}) (2000 and 5000 PPM); 2 min for 90% step change (10000 PPM).
Temperature Limits	32 to 122°F (0 to 50°C).
Humidity Limits	10 to 95% RH (non-condensing, 2000 and 5000 PPM); 0 to 85% RH (non-condensing, 10000 PPM).
Power Requirements	16-35 VDC or 19-28 VAC.
Power Consumption	Average: 2 w; Peak: 3.75 w.
Output	Current: 4-20 mA (max. 500 Ω); Voltage: 0-5 VDC or 0-10 VDC (min. 500 Ω).
Enclosure Rating	IP54.
Mounting Orientation	Vertically, with electrical connections pointing downward.
Weight	26.24 oz (744 g).
Compliance	CE.

DIMENSIONS

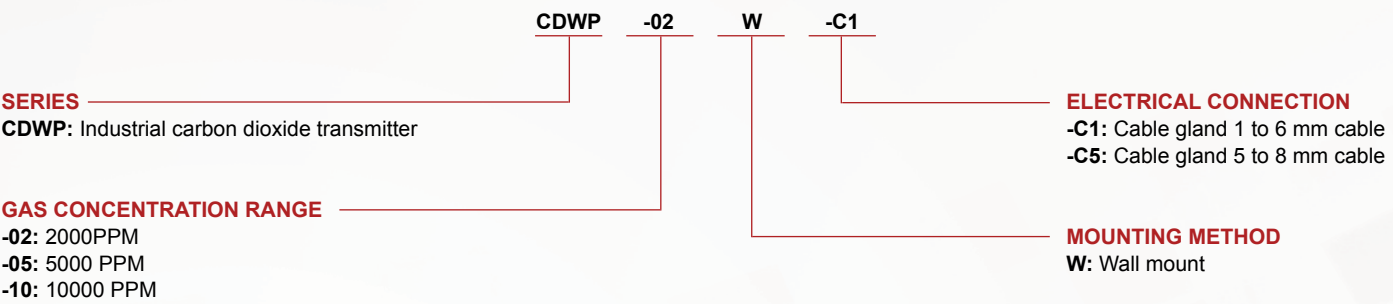


WIRING DIAGRAM



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.





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DWYER INSTRUMENTS, INC.