



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
- Consistent CO₂ measurements over time due to single-beam dual-wavelength technology
- Reduced downtime as the sensor has built in calibration ports eliminating the need to remove it from operation

APPLICATIONS

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

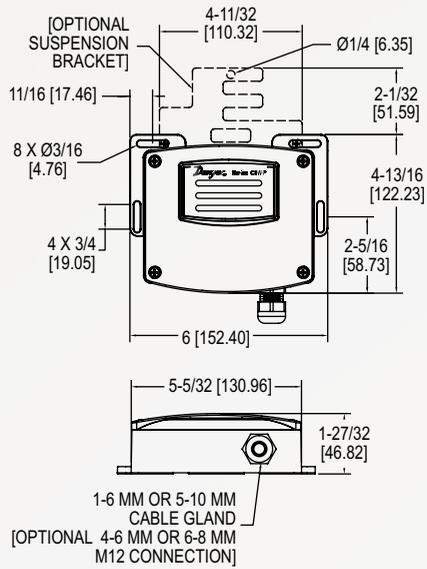
DESCRIPTION

The **Series CDWP Carbon Dioxide Transmitters** accurately monitor the CO₂ concentration in industrial and indoor environments to help achieve energy savings. For increased sensor life and accuracy, a single-beam dual-wavelength non-dispersive infrared (NDIR) sensor is used to eliminate light source aging effects. This sensing technology provides the highest level of accuracy compared to Automatic Baseline Correction methods, which can unintentionally shift the calibration based on CO₂ levels and barometric pressure conditions.

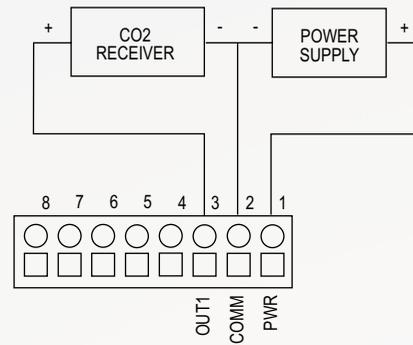
SPECIFICATIONS

Sensor	Single beam, dual-wavelength 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.
Temperature Dependence	±8 PPM/°C at 1100 PPM.
Non-Linearity	16 PPM.
Pressure Dependence	0.13% of reading per mm of Hg.
Response Time	300 s (τ_{63}).
Temperature Limits	32 to 122°F (0 to 50°C).
Humidity Limits	10 to 95% RH (non-condensing).
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 connection pointing downwards.
Weight	26.24 oz (744 g).
Agency Approvals	CE.

DIMENSIONS

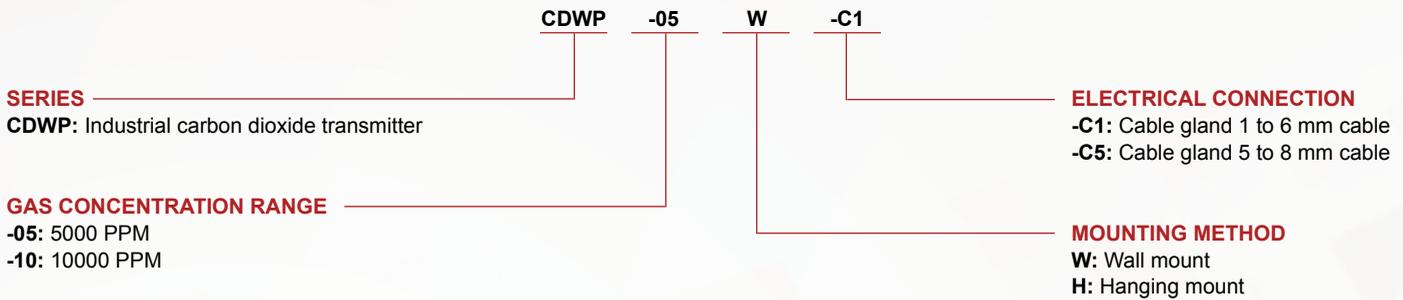


WIRING DIAGRAM



HOW TO ORDER

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



ORDER ONLINE TODAY!

dwyer-inst.com/Product/SeriesCDWP



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