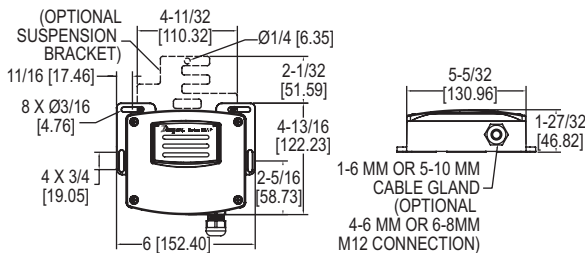


CARBON DIOXIDE TRANSMITTER

NDIR CO₂ Sensor with Universal Outputs in an Industrial Housing



The **Series CDWP Carbon Dioxide Transmitter** accurately monitors 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.

MODEL CHART							
Example	CDWP	-05	W	-M4	-FC	CDWP-05W-M4	Price
Series	CDWP					Carbon dioxide transmitter	\$350.00
Range		02 05 10				2000 PPM 5000 PPM 10000 PPM	- - -
Mounting			W H			Wall mount Suspended mount	- +15.00
Electrical Connection				C1 C5 M4 M6		Cable gland 1 to 6 mm cable Cable gland 5 to 10 mm cable M12 connection 4 to 6 mm cable M12 connection 6 to 8 mm cable	- - +40.00 +40.00
Option					FC	Factory calibration certificate	+30.00

ACCESSORIES		
Model	Description	Price
A-CDWP-L	Replacement lid with filter material	\$25.00
A-CDWP-H	Suspended mount bracket	15.00

SPECIFICATIONS

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

FEATURES/BENEFITS

- IP54 aluminum housing
- Gray finish tested to withstand 168 hour salt spray test
- Single-beam dual-wavelength sensor automatically corrects for aging effects
- Measures unfiltered light intensity directly and eliminates error from incorrect assumptions of gas concentration in theoretical logic assumption methods
- Universal outputs to work with any building management system

APPLICATIONS

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

