

The Model FX-CO<sub>2</sub> uses an NDIR (non-dispersive infrared) sensor to detect carbon dioxide (CO<sub>2</sub>) in the workplace. The sensor and electronics are mounted in a NEMA 4X enclosure

## Model FX-CO<sub>2</sub>

Carbon dioxide detector/transmitter



### Features

- Excellent long-term stability using NDIR (non-dispersive infrared) technology
- Diffusion and flow-through version available
- Housed in a rugged, weatherproof case
- Housing suitable for indoor or outdoor installation
- Industry standard, 4 to 20 mA output

## Carbon dioxide detector/transmitter

The Model FX-CO2 is part of Thermo's complete gas detection family, which includes single gas portable monitors to multi-point integrated systems. You can be confident that our versatile solutions and worldwide customer support will ensure you maximum productivity.

### Sample Method

Diffusion or flow-through

### Range of Detection

- 0-5.00% CO<sub>2</sub> (diffusion)
- 0-10.0% CO<sub>2</sub> (flow-through)
- 0-1.00% CO<sub>2</sub> (optional)

### Resolution

0.1% CO<sub>2</sub> (flow-through)  
0.01% CO<sub>2</sub> (diffusion and optional)

### Accuracy

+10% of reading or 0.1% CO<sub>2</sub>,  
whichever is greater

### Repeatability

+0.1% CO<sub>2</sub>

### Operating Temp

32°F to 113°F (0°C to 45°C)

### Humidity

0 to 95% RH, non-condensing

### Display

4 digit LED, visible through front of enclosure

### Output

Linear 4-20 mA, 500 ohms  
maximum impedance

### Controls, Internal

Calibration mode jumper and push-buttons, also switch to lock current loop at 3.5 mA during "bump" mode

### Operating Voltage

12-24 VDC

### Dimensions

9 in (221 mm) L x  
5 in (122 mm) H x  
7 in (172 mm) W

### Weight

2.8 lbs (1.3 kg)

### Case Materials

NEMA 4X fiberglass housing with clear window for display

### Wiring Terminals

3 power/output

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