

Fixed Gas Transmitter, Model FX-CO₂

Carbon dioxide gas detector/transmitter



Key Features

- Diffusion and flow-through versions are available
- Industry standard, 4 to 20 mA output
- Excellent for long term stability
- User friendly - simple to operate
- Splash resistant NEMA 4X

The Thermo Scientific Fixed Gas Transmitter, Model FX-CO₂ utilizes Non-dispersive infrared (NDIR) technology to detect carbon dioxide (CO₂) in the workplace. The NDIR technology assures the excellent long-term stability and maximum reliability of FX-CO₂.

The sensor and electronics are mounted in a rugged, weather-proof, NEMA 4X fiberglass enclosure that is suitable for indoor or outdoor installation

The FX-CO₂ comes in two configurations, a diffusion-sampling version and a flow-through version. A simple two-step calibration procedure and replaceable splash shield (diffusion version) make this transmitter simple to maintain.

The FX-CO₂ provides an economical, easy-to-operate solution for monitoring Carbon Dioxide in outdoor or indoor environments.

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, our services help protect the return on investment and total cost of ownership of your Thermo Scientific air quality products.

Product Specifications

Sample Method	Diffusion or flow-through
Range of Detection	0-1.00% (diffusion) 0-5.00% (diffusion) 0-1.00% (flow-through) 0-10.0% (flow-through)
Resolution	0.1% CO ₂ (for 0-10% range) 0.01% CO ₂ (all other ranges)
Accuracy	+/- 5% of reading or 0.1% CO ₂ , whichever is greater
Repeatability	+/- 0.1% CO ₂
Operating Temperature	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)
Internal Controls	Calibration mode jumper and push-buttons, also switch to lock current loop at 3.5 mA during "bump" mode
Operating Voltage	12-24 Vdc
Physical Dimensions	9" (221 mm) L x 5" (122 mm) H x 7" (172 mm) W, 2.8 lbs (1.3 kg)
Response Time	Less than 3 minutes to 90% of full response
Case Materials	NEMA 4X fiberglass housing with clear window for display
Wiring Terminals	3 power/output

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