

Online Carbon Dioxide Analyzer, IP66 / NEMA 4X Wall Mount Enclosure



Precision NDIR CO2 Sensor

F.S. Ranges of 0 -5000 ppm up to 0 - 100 %

Large Easy-to-Read Display

Intuitive User Friendly Menu Interface

Compact Indoor or Outdoor Enclosure

Cost Effective and Low Maintenance

Integral USB Data Logging

Specifications:

Accuracy:	+/- 1% Full Scale Range*
Calibration:	Periodically
Alarms:	2 Adjustable w/ delay mode
Range ID:	1 - 5 VDC (Optional 4 -20mA)
Communication	Bi-Directional MODBUS RS485 ASCII
Output:	4 - 20mA
Data Logging:	Removable USB Stick
Power:	100 - 240 VAC or 10 - 28 VDC
Classification:	General Purpose
Display:	LCD with Backlight
Dimensions:	9.5 x 6.5 x 3.8 Inches
Enclosure:	Anodized Aluminum
Weight:	4.4 lbs
Pressure:	0.1 - 50 PSIG
Flow Rate:	0.5 - 5 SCFH
Temperature:	0 to 50° C
Temperature Compensation:	Integral
Sensor:	Precision NDIR Cell
Response Time:	T90 in 30 Seconds
Gas Connections:	Configurable
Sample System:	Optional
Sensor Warranty:	12 months
Analyzer Warranty:	12 months

Applications:

- Natural Gas Extraction & Processing Pipelines
- Chemical Plants
- Landfill Gas Monitoring
- Biogas before and after the CO2 Scrubber
- And Many Other Industrial Applications

"Inquiry for Application Expertise"

The CO2-525X offers the unique ability to log data in real time via a removable USB drive. Data is logged in an Excel compatible .csv file by date with an interval between 1 and 120 minutes.

Logging at intervals of 1 minute you can store up to approximately 50 years worth of data before filling up an 8GB USB flash drive.

CO2 Analyzer:

The model CO2-525X Carbon Dioxide analyzer combines a rugged design with SSO2's precision CO2 sensors. The result is a highly reliable and cost effective compact design with an easy-to-use user interface.

The output can be range selected through the on-board menu allowing easy interface with a PLC, DCS or other control system.

Gas connections are made with compression tube fittings (1/8", 1/4" or 6mm).

Integral Alarms Contacts:

2-non latching fully configurable Form C relay contact alarms.

Power Requirements:

Input Power: 12 - 24 V DC
Current Draw: 100 mA

** Optional power input choices available

CO2 Sensor Technology:

The Carbon Dioxide sensor used in the CO2-525X is based on the NDIR easurement cell principal. All CO2 sensors are manufactured under a strict quality program.

The sensors are self-contained and minimal main-tenance is required - no need to clean electrodes or add electrolyte.

The Southland Sensing precision CO2 sensors offer excellent performance, accuracy and stability while maximizing the expected life.

CO2 Sensors:

CO2-1x Sensor 0 – 1000ppm, 2000ppm, 3000ppm, 4000ppm & 5000ppm

CO2-2x Sensor 0 – 1%, 2%, 3%, 4% & 5%

CO2-3x Sensor 0 – 5%,10% 25%, 50% & 100%

CO2-3x Sensor 0 – 100%, 50 – 100%, 70 – 100%, 80 – 100% & 90 – 100%

CO2 sensors should be periodically calibrated. Sensors offer excellent linear-ity when calibrated to a certified span gas.

Order Information:

Record Part Number with selected options in Blank Indicated Area of Form

Model Number:

CO2-525X Carbon Dioxide Analyzer

Selected Range & Sensor:

- 1 CO2-1x Sensor 0 – 1000ppm, 2000ppm, 3000ppm, 4000ppm & 5000ppm
- 2 CO2-2x Sensor 0 – 1%, 2%, 3%, 4% & 5%
- 3 CO2-3x Sensor 0 – 5%,10% 25%, 50% & 100%
- 4 CO2-3x Sensor 0 – 100%, 50 – 100%, 70 – 100%, 80 – 100% & 90 – 100%

Power Option:

- A 100 - 240 VAC Analyzer, 4-20 mA Analog Output, Integral Alarms, MODBUS RS485 ASCII
D 10 - 28 VDC Analyzer, 4-20 mA Analog Output, Integral Alarms, MODBUS RS485 ASCII

Gas Connections:

- 4 1/4" Compression Tube Fittings
- 6 6mm Compression Tube Fittings
- 8 1/8" Compression Tube Fittings

CO2-525X - _____ - _____ - _____ Use This Part Number When Ordering

** For assistance when ordering, contact our inside sales specialist **