

Carbon Dioxide Portable Analyzer with USB Data Logging



Specifications

Accuracy:	< +/- 1% of Full Scale Range*
Calibration:	Periodically
Output:	0 - 1V DC
Data Logging:	Removable USB Flash Drive
Battery Indicator:	Integrated into Large Display
Power:	Rechargeable
	Lead Acid Battery
	100 - 240 VAC Adapter
Display:	Large with Backlight
Dimensions:	10.9 x 10.0 x 4.9 inch
Enclosure:	Anodized Aluminum
Weight:	8.0 lbs
Pressure:	Inlet, 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:	1/8" Compression Tube
Sample System:	Flow Control, Flow Indicator
Sensor Warranty:	12 months
Analyzer Warranty:	12 months

*Accuracy at constant conditions

Precision NDIR CO2 Sensor

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

Large Backlit Display w/ User Friendly Menu

Continuous Analysis During Charging

Data Log Via Removable USB Flash Drive

The CO2-740 Carbon Dioxide analyzer combines a rugged portable design with SSO2's precision Carbon Dioxide sensors. The analyzer also has built in temperature and barometric pressure compensation; the result is a highly reliable and cost-effective design with easy-to-use interface.

A removable USB flash drive for data logging via .CSV (Excel) file format. With an 8GB USB Flash Drive, you can data log for 1-minute intervals for about 50 years before running out of storage. The advanced set of electronic features and flexibility to easily access data allows this analyzer to be unmatched in the market.

The display of the analyzer is designed to be used in direct sunlight. No need to bring a shade or other method to see the screen.

The Carbon Dioxide sensor used in the CO2-740 is based on the galvanic electrochemical fuel cell principal and is compensated for both pressure and temperature giving the user added accuracy. All Carbon Dioxide sensors are manufactured in house by Southland Sensing Ltd. under a strict quality program.

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

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"

Optional Accessories

CC	Carrying case with custom foam insert
CF	Coalescing filter with 0.1u filter
SP	Integral sampling pump
REG	Pressure Regulator
HT	High Temp Probe

CO2 Analyzer:

The model CO2-740 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 designed specifically for the Natural Gas and Biogas industries.

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

Power Requirements:

Input Power: 100 - 240 VAC Adapter
International Plugs

CO2 Sensor Technology:

The Carbon Dioxide sensor used in the CO2-740 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 maintenance 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 linearity when calibrated to a certified span gas.

Order Information:

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

Model Number:

CO2-740 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%

Gas Connections:

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

CO2-740 - _____ - _____ Use This Part Number When Ordering

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