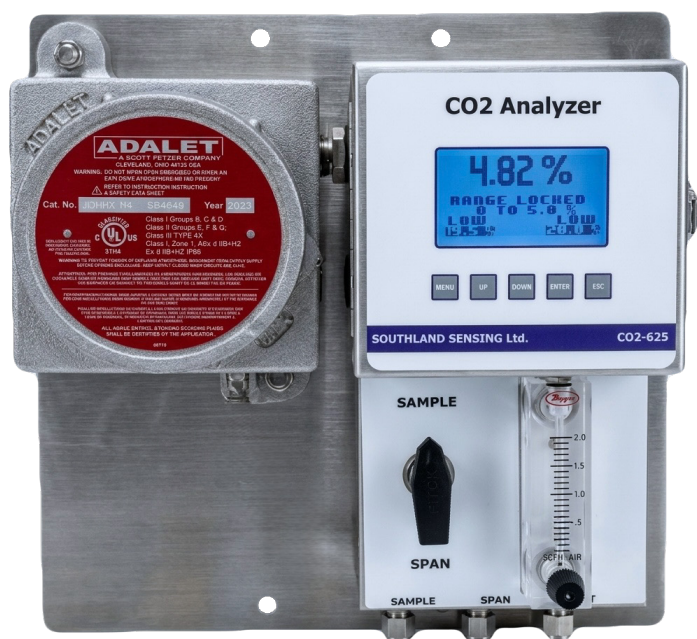


Hazardous Area Online Process Carbon Dioxide Analyzer



Optional Configurations:

- Sample System Add-On Components
- Bi-Directional RS485 Modbus RTU
- Extreme Weather Packaging

Applications:

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

"Inquiry for Application Expertise"

Precision NDIR CO2 Sensor

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

Cost Effective and Low Maintenance

Large Backlit Display

Intuitive User Friendly Interface

Optional MODBUS RS485 RTU

2 Fully Configurable Alarm Relay Contacts

Specifications:

Accuracy:	< +/-1% Full Scale Range*
Alarms:	2 Configurable Relay Contacts
Analyzer Range:	Single Range
Output:	Isolated 4 - 20mA or 1 - 5 VDC
Power:	12 - 24 VDC OR 100 - 240 VAC
Area Classification:	Pending Hazardous Area Cert.
Dimensions:	12" x 12" x 5.25"
Weight:	21 lbs
Pressure:	0.1 - 50 PSIG Inlet
Flow Rate:	0.5 - 5 SCFH
Temperature:	0 to 50° C
Sensor:	Precision NDIR Cell
Response Time:	T90 in 30 Seconds
Gas Connections:	Configurable
Sensor Warranty:	12 months
Analyzer Warranty:	12 months

*Accuracy at constant conditions

Available Ranges:

0 – 1000ppm, 2000ppm, 3000ppm, 4000ppm & 5000ppm

0 – 1%, 2%, 3%, 4% & 5%

0 – 5%, 10%, 25%, 50%, 100%

0 – 100%, 50 – 100%, 70 – 100%, 80 – 100% & 90 – 100%

CO2 Analyzer:

The model CO2-625 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.

The CO2 analyzer is isolated both on the power input and analog output. This eliminates most electronic gremlins seen with existing competitive equipment in the field.

Gas connections are made with compression tube fittings (1/8", 1/4" or 6mm). Sample Systems includes Sample / Span valve and flow meter.

The CO2-625 analyzer comes with an optional MODBUS RS485 RTU Bi-Directional Communication protocol.

The CO2-625 analyzer is pending certification for use in Zone 1 IIB + H2 applications (ATEX & IECEx) and Class 1 Division 1 Groups B, C, D (North America).

CO2 Sensor Technology:

The Carbon Dioxide sensor used in the CO2-625 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.

Power Requirements:

Input Power: 12 - 24 V DC
Current Draw: 100 mA
** Optional power input choices available

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:

CO2-625 Carbon Dioxide Analyzer
CO2-625D Carbon Dioxide Analyzer (Delete Sample System, 1/8" Compression Tube Gas Inlets)

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%

Electronics Package:

- 4 12 - 24V DC Input Power
- 4M 12 - 24V DC Input Power + MODBUS RS485 RTU
- 7 100 - 240 VAC Input Power
- 7M 100 - 240 VAC Power + MODBUS RS485 RTU

Gas Connections:

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

CO2-625 - - - - - Use This Part Number When Ordering

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