

Microx CO2 Compact Analyzer

Microx CO2 is a cost-effective, reliable and compact analyzer. It features three configurable alarm contacts, an LCD screen displaying carbon dioxide concentration, and a remote infrared sensor that can be located close to the process.

A flow-through process connection provides simple integration into gas systems. The remote sensor detects carbon dioxide over a range of 0...1000 ppm.



Highlights

- Measurement range 0...1000 ppm
- Designed for extractive gas applications
- Compact integrated solution with remote sensor
- Three configurable alarms
- Analog 4...20 mA and RS232 outputs
- Custom labeling available

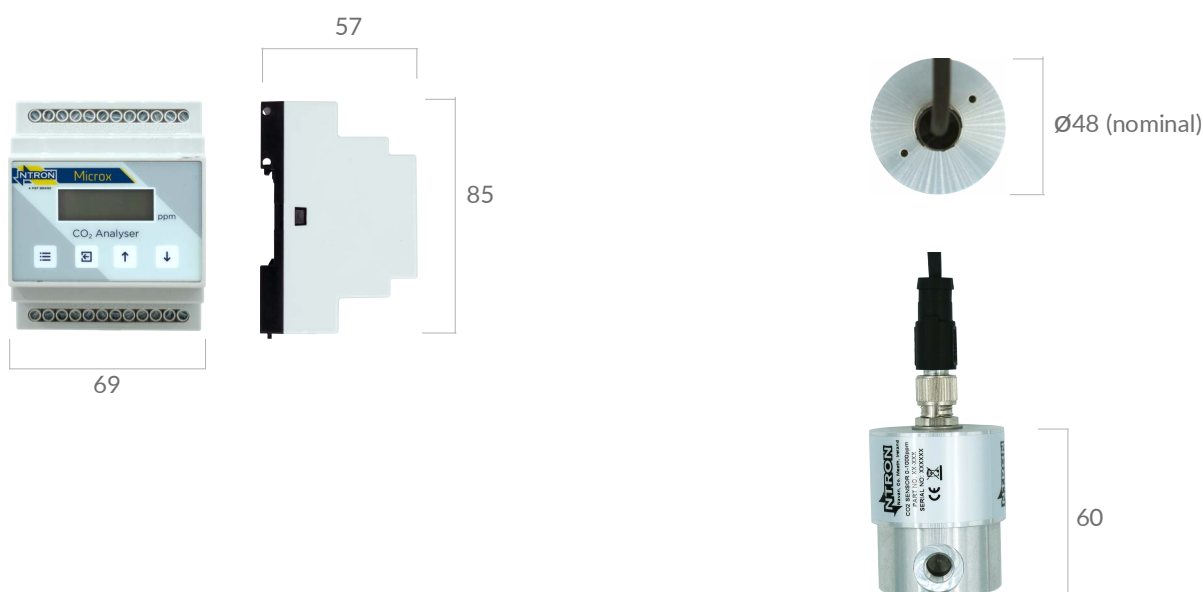
Applications

- Medical gas analysis
- Glove box purge and leak detection
- Additive Manufacturing
- Gas Generation
- Food and beverage

Technical Specifications

Sensor	
	Infrared (IR)
Measurement Range	0...1000 ppm _v CO ₂
Accuracy	+/- 2 %
Output Resolution (4...20 mA)	10 ppm CO ₂ / 0...1000 ppm _v CO ₂
Sample Flow Rate (application dependent)	150...250 ml/min (0.3...0.5 SCFH)
Pressure Range	Atmospheric +/- 10 % or 0.02 mBar
Response Time (T90)	< 30 seconds
Operating Temperature Range	-20...+50 °C (-4...122 °F)
Life Expectancy (application dependent)	5 years
Humidity	15...90 %rh non-condensing
Process Connection	1/8" NPT female
Calibration Interval (application dependent)	6...12 months (< 5% signal loss per year)
Analyzer	
Electrical	
Display	LCD
Output Signal	4...20 mA
Digital Communications	RS232
Relay Output Options	Three configurable relays, dry contact 5 Amp-rated
Electrical Interface	2 x 12-way electrical terminal block
Power Supply	24 V DC nominal (12...30 V DC)
Maximum Power Consumption	2.4 W
Mechanical	
Ingress Protection	IP20
Housing Material	ABS
Mounting	DIN rail (M36)
Cable	Sensor cable supplied
Compliance	
EN 50270: 2015.	

Dimensions (mm)



! CAUTION

Ntron Gas Measurement Ltd. is part of the Process Sensing Technologies Ltd. group (PST). As customer applications are outside of PST control, the information provided is given without legal responsibility. Customers should test under their own conditions to ensure the equipment is suitable for the intended application(s).

We adopt a continuous development program that sometimes necessitates specification changes without notice. For technical assistance or enquiries about other options, please contact us here: instruments.support@processsensing.com.