

Microx CO Compact Analyzer

Microx CO is a cost-effective, reliable and compact analyzer. It features three configurable alarm contacts, an LCD screen displaying carbon monoxide concentration, and a remote electrochemical sensor. Ntron electrochemical sensors are galvanic cells capable of superior performance, accuracy and stability; they are designed to be unaffected by the presence of other background gases.

The remote sensor can be located close to the process, detecting carbon monoxide over a range of 0...50 ppm. A flow-through process connection provides simple integration into gas systems.



Highlights

- Measurement range 0...50 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

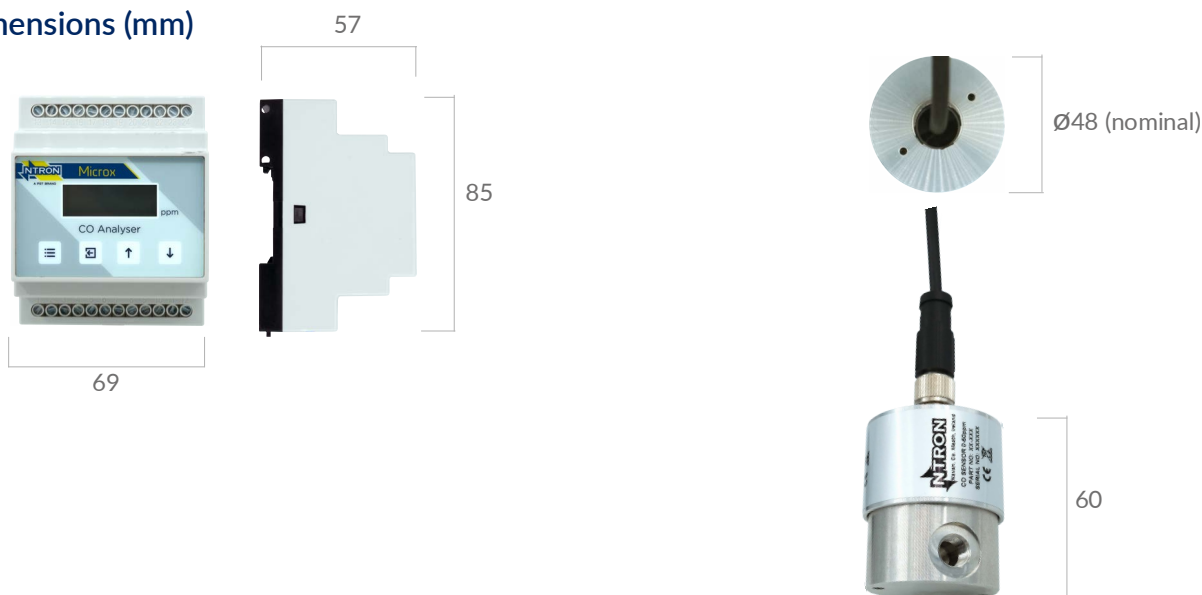
Applications

- Validation of medical oxygen generators
- Product purity on oxygen generators and compressed air systems

Technical Specifications

Sensor	
Electrochemical (EC)	
Measurement Range	0...50 ppm _V CO
Accuracy	+/- 2 ppm _V
Output Resolution (4...20 mA)	+/- 0.5 ppm _V CO
Lower Detection Limit (LDL)	0.5 ppm _V CO
Sample Flow Rate (application dependent)	150...250 ml/min (0.3...0.5 SCFH) optimal
Pressure Range (co-efficient)	Atmospheric +/- 10 % or 0.02 mBar
Response Time (T90)	< 25 seconds
Operating Temperature Range	-20...+50 °C (-4...122 °F)
Life Expectancy (application dependent)	Up to 36 months in air
Humidity	15...90 %rh non-condensing
Process Connection	1/8" NPT female
Calibration Interval (application dependent)	6...12 months (<5 % signal loss per year)
Housing Material	Aluminium 6026T9, Surtec 650 finish Polycarbonate ABS (gas-wetted)
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 screw 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	1 m (3.3 ft)
(Different lengths are available. Please contact the Factory.)	
Compliance	

Dimensions (mm)



! CAUTION

Ntrion 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 which sometimes necessitates specification changes without notice. For technical assistance or enquiries about other options, please contact us here:
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