

SERIES 501T

ONE TOUCH CARBON MONOXIDE ANALYZERS

FEATURES

- Microprocessor based controller
- One Touch Calibration Feature
- Dual Adjustable Alarm Contacts
- Operating Range: 0 to 2,000 ppm CO
- Electrochemical Sensor
- Large 4-digit Backlit LCD Display
- Optional Fail Safe
- Flow Meter now included on panel

SPECIFICATIONS

CO SENSOR

- RANGE: 0-2,000 ppmv
In air or inert gas
- SENSOR LIFE: Up to 2 years
- SENSITIVITY: $\pm 5\%$
- RESPONSE TIME: <30 sec @ 20°C
- RESOLUTION: 0.5 PPM
- OPERATING TEMP: -4°F to +122°F
- OPERATING HUMIDITY: 15-90% RH
(Non-Condensing)
- SAMPLE FLOW: 100 to 250 cc/min
(Recommended)
- CALIBRATION: MONTHLY

ELECTRONICS

- ALARM: SPDT, 1A @120 VAC
- OUTPUT: 0-5VDC or 4-20mA
- POWER: 120/220VAC/12V-24V
(50/60 Hz., 1W Max)
- DIGITAL OUTPUT: RS-232, RS-485
- DISPLAY: 4-Digit LCD, 0.5" High



CARBON MONOXIDE ANALYZER WITH ONE TOUCH CALIBRATION FEATURE

APPLICATIONS

*NYAD Carbon Monoxide Analyzers
The Technology You Can Trust!*

- BREATHING AIR
- MEDICAL AIR
- HYPERBARIC CHAMBERS
- BIOTECH
- MOBILE AIR TRUCKS
- FIRE DEPARTMENTS
- SCUBA
- MILITARY

The NYAD Series 501T Carbon Monoxide Analyzers are designed to accurately and continuously monitor the Carbon Monoxide content of high pressure breathing air or medical air supplies and provide an alarm when safe levels are exceeded.

The Series 501T Analyzers feature an advanced electrochemical sensor which has digitized output that is sent to a micro-processor based analyzer which provides a digital display of Carbon Monoxide concentration in PPM.

The 501T Analyzers feature two adjustable alarm contacts with visual and audible alarm capabilities, 0-5VDC or 4-20mA output that has user adjustable zero and span.

The Series 501T also includes a one touch calibration feature that allows the user to easily perform periodic calibrations using certified span gases.

Features and Benefits

The NYAD Series 501T Analyzers are available in various configurations to meet customer specific applications, ranging from OEM to Nema 7 explosion proof systems. Our state-of-the-art technology and design will ensure the highest level of detection with precise and accurate measurements.

The Nyad Carbon Monoxide Sensor provides:

- Accuracy and reliability
- Fast and precise response
- Long sensor life
- Easy calibration
- User friendly controls

Series 501T Analyzers

OEM – Model COA-521T

A compact unit for manufacturer OEM applications.

5.75"Wx6.75"Hx2.4"D

19" RACK MOUNT – Model COA-531T

Designed for applications where one or more instruments may be mounted into an existing control panel.

19"Wx5.25"Hx11.5"D

PANEL MOUNT – Model COA-541T

Ideally suitable for applications where panel size is critical in a cabinet.

10"Wx5.25"Hx11.5"D

NEMA 4 – Model COA-551TL

Enclosed in a Nema-4 Weather Proof, Wall Mountable

Enclosure. Suitable for indoor or outdoor installations.

9.5"Wx6.25"Hx3.5"D

NEMA-7X – Model COA-571T

Designed for flammable gas applications and suitable for other hazardous environments.

8.37"Wx9.87"Hx6.53"D

- Special configurations available to meet customer specific applications.
- Also available in our multi-channel analyzers.

The NYAD Carbon Monoxide Analyzers meet or exceed CGA Grade-D specifications for air quality as adopted by Federal OSHA. The Nyad Carbon Monoxide Analyzers' quality standards meet or exceed OSHA 1910.134 requirements. When the components are used in accordance with the manufacturer's instructions and recommendations, the "analyzer" meets or exceeds federal regulations presently in force. The carbon monoxide analyzer should be calibrated monthly and the carbon monoxide sensor shall be replaced every 2 years for accuracy in accordance with the sensor manufacturer recommendation.

- 1) OSHA REGULATIONS (Standard-29 CFR) Respiratory Protection 1910.134
 - 2) 1910.134(i)(1)(ii)(C) Carbon monoxide (CO) content of 10 ppm or less
- Nyad Carbon Monoxide Analyzer detection range is 0-2,000 ppm and is equipped with alarms when safe levels are exceeded.

SERVICES AVAILABLE

Technical Support

Installation and Setup Support

Maintenance Support

Application Support

Hardware Support

Guaranteed Warranty

TECHNICAL SUPPORT, SALES AND CUSTOMER SERVICE

Contact: sales@nyad.com

WEBSITE:

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