

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 a digitized output that is sent to a micro-processor based analyzer providing 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. Other signal outputs are also available.

The Series 501T includes NYAD's one touch calibration feature allowing the user to easily perform periodic calibrations using certified span gases.



APPLICATIONS

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

ADVANTAGES OF NYAD ANALYZERS

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 Analyzer provides:

- Fast and precise response
- Accuracy and reliability
- Long sensor life
- Easy one touch calibration
- User friendly controls
- 5 Year warranty (not including sensor)



SCAN ME

FEATURES

NPFA 99 COMPLIANT
MICROPROCESSOR 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
DIGITAL FLOW METER W/ FLOW LIGHT ON PANEL

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

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

nyadinc.
protecting our heroes one breathing air system at a time

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SERIES 501T ANALYZERS

OEM – Model COA-521T
5.75"Wx6.75"Hx2.4"D
19" RACK MOUNT – Model COA-531T
19"Wx5.25"Hx11.5"D
PANEL MOUNT – Model COA-541T
10"Wx5.25"Hx11.5"D
NEMA 4 –Model COA-551TS
Weather Proof, Wall Mountable
Suitable for indoor/outdoor installation
7.72"Wx7.72"Hx5.71"D
COA-551TL LEGACY REPLACEMENT
NEMA-7X – Model COA-571T
Flammable gas applications
Suitable for other hazardous environments
8.37"Wx9.87"Hx6.53"D

Special configurations available to meet customer specific applications.

Also available in different Moisture and gas combinations including Carbon Dioxide and Oxygen

SERVICES AVAILABLE

Calibration Service
Technical Support
Installation and Setup Support
Maintenance Support
Application Support
Hardware Support
Guaranteed Warranty