

The NYAD series 301T Carbon Dioxide Analyzer features a maintenance free infrared sensor. The sensor output is sent to our micro-processor based analyzer providing a digital display of Carbon Dioxide in the range of 0-5000 ppm.

The 301T analyzer includes two adjustable alarm contacts with panel mounted visual LED's and an internally mounted audible alarm as well as standard 0-5 VDC or 4-20mA output that has user adjustable zero and span. Other signal outputs are also available.

The Series 301T includes NYAD's one touch calibration feature allowing the user to easily perform periodic calibrations using certified span gas



## APPLICATIONS

BREATHING AIR	MEDICAL AIR
CHEMICAL PROCESSING	INDUSTRIAL GAS
HEAT TREATING	PETROCHEMICAL
NATURAL GAS	BIOTECH
INDOOR AIR QUALITY	FOOD PROCESSING

## ADVANTAGES OF NYAD ANALYZERS

The NYAD Series 301T Analyzers are available in various configurations to meet customers specific applications, ranging from O.E.M 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 Dioxide 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 BASED CONTROLLER  
ONE TOUCH CALIBRATION FEATURE  
DUAL ADJUSTABLE ALARM CONTACTS  
OPERATING RANGE: 0 to 5,000 ppm  
INFARED SENSOR  
LARGE 4-DIGIT BACKLIT LCD DISPLAY  
AUDIBLE ALARM  
DIGITAL FLOW METER W/ FLOW LIGHT ON PANEL

## ELECTRONICS

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

## SPECIFICATIONS

CO2 SENSOR  
RANGE: 0-5,000 ppm  
ACCURACY:  $\pm 30$  ppm  $\pm 3\%$  of measured value  
RESPONSE TIME: 20 sec diffusion time  
OPERATING TEMP: -32 to +122 °F  
OPERATING HUMIDITY: 0-95% RH (Non-Condensing)  
SENSITIVITY:  $\pm 20$  ppm 1% of measured value  
MAXIMUM INLET PRESSURE: 30 psig  
EXPECTED SENSOR LIFE: 10 yrs.  
CALIBRATION: MONTHLY

**nyad inc.**  
protecting our heroes one breathing air system at a time

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## SERIES 30IT ANALYZERS

OEM – Model CO2A-32IT  
5.75"Wx6.75"Hx2.4"D  
19" RACK MOUNT – Model CO2A-33IT  
19"Wx5.25"Hx11.5"D  
PANEL MOUNT – Model CO2A-34IT  
10"Wx5.25"Hx11.5"D  
NEMA 4 – Model CO2A-35ITL

Weather Proof, Wall Mountable Enclosure Suitable for  
indoor or outdoor installations  
7.72"Wx7.72"Hx5.71"D

CO2A-35ITL LEGACY REPLACEMENT

NEMA-7X – Model CO2A-37IT  
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