

# PORTABLE STANDALONE NITRIC OXIDE MONITOR

## FOR ATMOSPHERIC MONITORING

**UV  
TECHNOLOGY**



**PPB  
RANGE**

**MODEL 400**

### DESCRIPTION

The Model 400 Nitric Oxide Monitor is designed for the measurement of atmospheric nitric oxide (NO) in the range of 2-2000 ppbv (2 ppmv). It is based on Patented NOZONE Technology.

A Small Concentration of OZONE is added to the sample stream and the resulting decrease in concentration of OZONE is measured by the absolute method of UV absorption.

### SPECIAL FEATURES

- Internal data logger (EEPROM)
- Real time clock
- Digital & Analog Outputs
- Three 0-2.5 VDC analog inputs for logging other measurements, such as external temperature, pressure and humidity
- Selectable data averaging times of 10 s, 1 min, 5 min and 1 hr
- DewLine™ for elimination of any water vapor interference

## SPECIFICATION

Measurement Principle	:	Titration of NO with Ozone with Detection of Ozone Depletion by UV Absorption at 254 nm
Outputs	:	RS-232, Flash Card Option
Precision and Accuracy	:	Higher of 2 ppbv or 3% of reading
Accuracy	:	2 ppbv Or 3%
Calibration	:	No Cal Gas Required, Annual Calibration
Data Storage	:	14,336 lines (10 s avg. = 1.4 days; 5 min avg = 1.4 mo.)
Time/Measurement	:	10 s (Data averaging options: 10 s, 1 min, 5 min, 1 hr)
Sample Flow Rate	:	1 L/min
Data Outputs	:	RS-232, LCD, Flash Card Option
Power Requirements	:	12 V dc or 120/240 V ac, 11 watt
Size	:	3.5 x 8.3 x 11.6 in. (9 x 21 x 30 cm)
Weight	:	2.9 kg Approximately

## OTHER RANGE OF PRODUCTS

- Gas Monitor
- Gas Analyser
- Transmitters
- Humidity, Moisture, Dew Point Analyser
- Dew Point Transmitters
- Sampling Systems
- UV Flame Detector
- Dust Monitor

**The above Parameter and Ranges are only indicative. Endee will build up and supply the analyser with Parameters, range and features to any Practical Configuration.**

Note : Specifications and Features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. Due to endee's commitment to research, design and product improvement, specifications are subject to change without notice.