

MODEL T200

CHEMILUMINESCENCE NO / NO2 / NOX ANALYZER



The Model T200 uses the proven chemiluminescence detection principle, coupled with state-of-the-art electronics, to allow accurate and dependable low-level measurements for use as an ambient analyzer or dilution CEMS monitor.

The Advantage

AutoZero

This unique feature provides superb stability by continuously correcting for zero drift, while advanced adaptive filtering allows the analyzer to optimize performance under changing conditions.

Inlet Dryer

This model includes a permeation inlet dryer for ozone generation to provide excellent reliability with no periodic replacement required.

Ozone Scrubber

This catalytic exhaust ozone scrubber comes standard for maximum safety and pump life.

Additional Features

- Ranges from 0-50 ppb to 0-20 ppm user selectable
- Independent ranges and auto ranging
- Large, vivid and durable color graphics display with touch screen interface
- Ethernet, RS-232 and USB com ports (optional)
- Front panel USB connections for peripheral devices and firmware upgrades
- 8 analog inputs (optional)
- Adaptive signal filtering optimized response time
- Temperature & pressure compensation
- Internal zero & span check (optional)
- Comprehensive internal data logging with programmable averaging periods
- Ability to log virtually any operating parameter

The System

Model T200 Includes:

Two year warranty

External pump

Charcoal Scrubber Assembly

Independent ranges and auto ranging

47mm diameter particulate filter

8 isolated digital outputs

6 isolated digital inputs

RS-232 ports

Multi-drop RS232

Ethernet port

USB ports for peripheral devices

APIcom™ remote control software

Select AC input voltage:

100V-120V

50Hz

220V-240V

60Hz

Select DC output voltage:

10V

5V

1V

0.1V

Mounting Options

- Rack mount brackets with chassis slides
- Rack mount brackets only

I/O Options

- 4-20 mA outputs (up to three channels)
- USB com port
- 8 Analog Inputs
- RS485

Other Options

- Ammonia removal sample conditioner. Required for EN14212 approved configuration)
- Concentration alarm relays
- Consumables kit
- O₂ 0-25% Paramagnetic sensor

About the T Series

All T Series instruments offer an advanced color display, capacitive touch screen, intuitive user interface, flexible I/O and built-in data acquisition capability. All of the instrument set up, control and access to stored data and diagnostic information is available through the front panel, Ethernet or USB com ports.

SPECIFICATIONS

| | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ranges | 0-50 ppb FS to 0-20,000 ppb FS (user selectable) Independent NO, NO ₂ , NO _x ranges and auto ranging supported |
| Noise | Zero: <0.2 ppm (RMS) Span: < 0.5% of reading (RMS) above 50ppb |
| Drift | Zero: < 0.5 ppb / 24 hours Span: <0.5% FS / 24 hours |
| Linearity | 1% FS |
| Precision | 0.5% of reading above 50 ppb |
| Sample Flow Rate | 500 cm ³ /min ±10% |
| Power | 100V-120V, 220V-240V, 50/60hz |
| Analog Output | 10V, 5V, 1V, 0.1V (selectable) |
| Recorder Offset | ± 10% |
| I/O | <p>Included:</p> <ul style="list-style-type: none"> 1 x Ethernet: 10/100 Base-T 2 x RS232 (300-115,200 baud) Multidrop RS232 2 x USB device ports 8 x opto-isolated digital outputs 6 x opto-isolated digital inputs 4 x analog outputs <p>Optional:</p> <ul style="list-style-type: none"> 1 x USB com port 1 x RS485 8 x analog inputs (0-100V, 12-bit) 4 x digital alarm outputs 3 x 4-20mA current outputs |
| Temperature | 41°-104°F (5°-40° C [with EPA Equivalency]) |
| Dimensions | 7" x 17" x 23.5" (178 x 432 x 597 mm) Analyzer: 40 lbs (18.3 kg) External Pump: 15lbs (7kg) |
| Certifications | US EPA: RFNA-1194-099 MCERTS: Sira MC 050068/05 |



TELEDYNE MONITOR LABS

Everywhere **you** look™



EMAIL: GOTML@TELEDYNE.COM
WEBSITE: WWW.TELEDYNE-ML.COM

35 INVERNESS DRIVE EAST, ENGLEWOOD, CO
UNITED STATES OF AMERICA (USA)
TEL: +1 800.422.1499