

Model 48i-TLE Enhanced Trace Level CO Analyzer

Gas filter correlation gas analyzer with enhanced communication capabilities for ambient air and source emissions monitoring



A change is in the air

The industry's new best-of-breed. Our customers told us exactly what they're looking for in a gas monitoring solution: reliability, simplicity, ease of use. The new *iSeries* platform delivers on all counts - and then goes a step farther. A core product in Thermo's new *iSeries* product line is the Model 48i-TLE

Using filter correlation technology, the Model 48i-TLE measures the amount of carbon monoxide in the air from sub-ppb levels up to 100ppm. The Model 48i-TLE is a single chamber, single photomultiplier tube design that measures only CO.

Dual range and auto range are standard features in this instrument. Because the instrument is operated continuously in the CO mode, the response time is less than 10 seconds.

Temperature and pressure correction are standard features. User settable alarm levels for concentration and for a wide variety of internal diagnostics are available from an easy to follow menu structure.

This state-of-the-art gas analyzer offers features such as an ethernet port as well as flash memory for increased data storage and field upgradability.

Ethernet connectivity provides efficient remote access, allowing the user to download measurement information directly from the instrument without having to be on-site.

You can easily program soft-keys to allow you to jump directly to frequently accessed functions, menus or screens. The larger interface screen can display measurement information and status, while viewing menu and operational screens.

Key Features

- Ethernet connectivity for efficient remote access
- Enhanced user interface with one button programming and large display screen
- Flash memory for increased data storage and user downloadable software
- Enhanced electronics design optimizes product commonality
- US EPA Designated Method (RFCA-0981-054)

Comprehensive Service Solutions

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, our services help protect the return on investment (ROI) and total cost of ownership of your Thermo Scientific air quality products.

Product Specifications

Preset Ranges	0-1, 5, 10, 20, 50, 100, 200, 500, 1000 ppm 0-1, 2, 5, 10, 20, 50, 100, 200, 500, 1000 mg/m ³
Custom Ranges	0-1 to 1000 ppm 0-1 to 1000 mg/m ³
Zero Noise	0.02 ppm RMS (30 second averaging time)
Lower Detectable Limit	0.04 ppm (30 second averaging time)
Zero Drift (24 hour)	< 0.1 ppm
Span Drift (24 hour)	+/- 1% full scale
Response Time	60 seconds (30 second averaging time)
Linearity	+/- 1% full scale
Sample Flow Rate	0.5 liters/min
Operational Temperature	5 °C - 40 °C, (20 °C - 30 °C with EPA Designation)
Power Requirements	100 vac, 115 vac, 220-240 vac +/-10% @ 300W
Size and Weight	16.75"(W) x 8.62"(H) x 23"(D), 55 lbs. / 425 mm (W) x 219 mm (H) x 584 mm (D), 25 kg
Outputs	Selectable Voltage, RS232/RS485, TCP/IP, 10 Status Relays, and Power Fail Indication (standard). 0-20 or 4-20 mA Isolated Current Output (optional)
Inputs	16 Digital Inputs (standard), 8 0-10Vdc Analog Inputs (optional)

Ordering Information

Model 48i TLE CO Analyzer

Choose from the following configurations/options to customize your own Model 48i TLE

Voltage options:

A = 120 Vac 50/60 Hz
B = 220 Vac 50/60 Hz
J = 100 Vac 50/60 Hz

Internal zero /span:

C = Internal zero / span valves w/zero air scrubber

Filter Wheel Purge:

P = Filter wheel purge set-up

Optional I/O:

A = No optional I/O (standard)
C = 0-20, 4-20mA current output - 6 channels, 0-10v analog input - 8 channels

Mounting hardware:

A = Bench mounting (standard)
B = Ears & handles, EIA
C = Ears & handles, retrofit

Your Order Code: 48i - TLE _ _ _ _ _

Other options:

- ◆ Teflon particulate filter
- ◆ Rack mounts
- ◆ Rear extender

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