

Model 6050T

Trace Level CO Analyzer

The Model 6050 CO Analyzer provides an accurate and convenient means of measuring low levels of Carbon Monoxide in ambient air. Principle of Analysis - Gas Filter Correlation.



Specifications

Specifications subject to change without notice

Ranges	0--50 ppm User set
Noise	< 0.01 ppm
Lower Detectable Limit	< 0.02 ppm
Zero Drift	< 0.02 ppm
Span Drift	< 0.5% of reading/24 hr
Cycle Time	1 sample/second
Precision	<0.5 % Full Scale
Linearity	<1 % Full Scale
Sample Flow Rate	0.5 to .75 LPM
Operating Temperature	4° to 50° C
Power Requirements	200 Watts (depends on analyzer)
Voltage Output Ranges	0.1V, 1V, 2V, 5V, 10V, user-selectable
Input/Output Ports	Rear Panel: Ethernet, USB Device, USB Host (2), RS-232/485 (2)
Physical Dimensions	5.25 in (H). x 17 in. (W) x 22.5 in.(L)
Weight	45 lbs. (20 kg)
Certification	US EPA: RFCA-0817-248 (CO Bench)
Display	7" Wide View Color LCD Touchscreen
Interface	Touchscreen, Front Panel Keypad, External Keyboard, Mouse
Communications	Ethernet, USB and RS-232/485 Ports, Modbus protocol, Analog I/O, Digital I/O
Features	Automatic temperature and pressure compensation, Comprehensive internal data logging, Trace Level module

The 6050T uses the same components as the 6050 CO Analyzer with an added trace level module. The 6050T measures low ranges of carbon monoxide using the non-dispersive infrared/gas correlation (NDIR/GFC) method. A high energy IR source alternately passes through a CO filled cell and a cell filled with Nitrogen. The light path then travels through the sample cell and the energy loss through the cell is compared with the span reference signal provided by the filter wheel to produce a signal proportional to the concentration.

Advanced, easy to use, menu driven software allows access to sample conditions, various diagnostics, and a visual graph for users to view a time series plot for CO readings.

The 6050T Trace Level CO Analyzer offers a bright color display, data logging capability, advanced communications via Ethernet, USB and RS-232/485, universal power supply, and a DC internal pump for easy installment in rack systems or bench top applications.