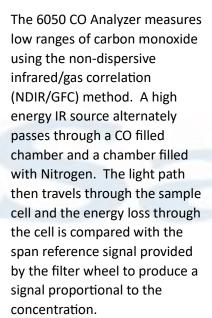# Model 6050 CO Analyzer

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.

The 6050 CO Analyzer 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 chamber and a chamber 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 strip chart for users to view a time series plat for CO readings. The 6050 CO Analyzer offers a bright color display, data logging capability and advanced communications via Ethernet or RS-232-485.

The 6050 has a universal power supply and standard internal pump for easy installment in rack systems or bench top applications. The modular design with optional pull down front panel offers easy access for routine service or general maintenance

Specifications
Specifications subject to change without notice
All specifications are based on constant conditions

Ranges	0--50 ppm, 0-1000 ppm User set
Noise	< 0.02 ppm
Lower Detectable Limit	< 0.04 ppm
Zero Drift	< 0.1 ppm per 24 hours
Span Drift	< 0.5% of reading/24 hr
Response Time	60 seconds to 95%
Precision	<0.5 % of URL
Linearity	<1 % of URL
Sample Flow Rate	0.5 to 1.0 LPM
Operating Temperature	0° to 45° 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	35 lbs. (20.41 kg)
Certification	US EPA: RFCA-0817-248
Display	7" Wide View Color LCD Touchscreen
Interface	Touchscreen, Front Panel Keypad, External Keyboard, Mouse
Communications	Ethernet, USB and RS-232/485 Ports
Features	Automatic temperature and pressure compensation, Comprehensive internal data logging, Modbus protocol
Options	Internal zero & span check Internal Pump Rack Mount Kit
Applications	Ambient Air Monitoring Roadside Air Monitoring

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