Sabio environmental
ambient pollution analyzers and calibration systems

Model 6040 NO/NO2/NOx Analyzer

Overview

The Model 6040 NOx Analyzer provides an accurate and convenient means of measuring low levels of Nitrogen Oxides in ambient air. Principle of Analysis - Chemiluminescence Method

Advanced, easy to use, menu-driven software allows access to sample conditions and diagnostics and the strip chart feature allows the user to view a time series plot for NO, NO_2, NOx readings.

The 6040 Analyzer offers a bright color display, data logging capability and advanced communications via Ethernet, USB and RS-232

Standard Features

‣ Ranges: 0 - 50 ppb to 0 - 20 ppm (User selectable)

‣ Measurement units: ppm, ppb

‣ Large color TFT LCD display

‣ Various user interface options including touch screen, front panel keypad, external keyboard and mouse

‣ Menu driven software

‣ Ethernet TCP/IP, USB and RS-232/485 ports

‣ Front panel USB connections for peripheral devices and firmware updates

‣ Four independent analog inputs / outputs VCD with flexible ranges

‣ 8 standard digital input/outputs (I/Os)

‣ Automatic temperature and pressure compensation

‣ Comprehensive internal data logging

‣ Modbus protocol

Optional Features

‣ Zero/Span ports

‣ 4 – 20 mA current outputs

‣ Additional gas measurement module

SPECIFICATIONS
Specifications subject to change without notice

EPA Approved Ranges	0 - 500 ppb
Noise	< 0.2 ppb
Lower Detectable Limit	< 0.4 ppb
Zero Drift	< 0.5 ppb per 24 hours
Span Drift	< 1% of reading per week
Precision Linearity	< 0.5% of full scale
Sample Flow Rate	0.4 to 0.8 Liter per Minute (LPM)
Operating Temperature	5° to 45°C (with EPA Equivalency)
Operating Humidity	0 to 90% (Non-condensing)
Power Requirements	Universal Power Supply, 90-264 VAC, 100 VA, 50/60 Hz
Voltage Output Ranges	0.1V, 1V, 2V, 5V, 10V, 4-20 mA (User selectable)
Input/Output Ports	Rear Panel: Ethernet, USB Device, USB Host (2), RS-232/485 (2)
Physical Dimensions	5.25 in. x 17 in. x 22.5 in. (133 x 432 x 571.5 mm)
(H x W x D) Weight	25 lbs. (11.3 kg)
Certification	US EPA: RFNA-0418-250

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