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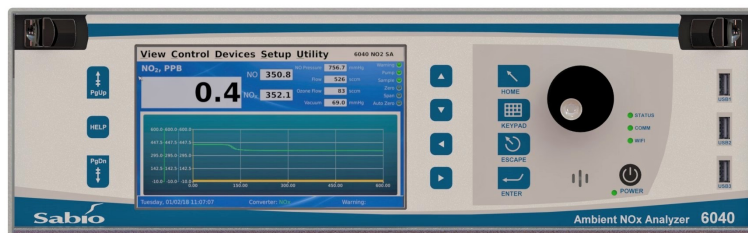
The 6040 Analyzer offers a bright color display, data logging capability and advanced communications via Ethernet, USB and RS-232

Standard Features

‣ Operating ranges: 0-50 ppb to 20 ppm user selectable

‣ EPA approved ranges: 0-0.5 ppm

‣ Large color TFT LCD display measured concentrations and graphs/charts

‣ Touch screen, front panel keypad, external keyboard and mouse

‣ Menu driven software

‣ Internal memory for more than 2 years of data storage

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

‣ Front panel USB connections for peripheral devices and firmware updates

‣ Automatic temperature and pressure compensation

‣ Comprehensive internal data logging

‣ Modbus RTU and TCP protocol

‣ Universal Line voltage in the range of 90-260 VAC, 50/60Hz

‣ External Filter (back panel)

‣ Calibration by dilution

Optional Features

‣ Internal Zero/Span valves

‣ 4 - 20mA current outputs

‣ Additional gas measurement module

‣ Four independent analog outputs with flexible ranges

‣ 8 digital input/outputs (I/Os)

‣ Internal Pump

‣ Internal Filter (front panel)

‣ Analog and Digital I/O

SPECIFICATIONS
Speciifcations subject to change without notice

EPA Approved Ranges	0-.5 ppm Max: 0-20 ppm
Zero Noise	<0.2 ppb
Lower Detectable Limit	<0.4 ppb
Zero Drift	<0.5 ppb per 24 hours
Span Drift	<0.5 % Full Scale per 24 hours
Precision	<0.5% of Full Scale
Linearity	<1 % of Full Scale
Sample Flow Rate	0.4 to 0.8 LPM
Operating Temperature	5° to 45° C
Power Requirements	Universal Power Supply, 90-264 VAC, 100 VA, 50/60 Hz
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) ppb,
Measurement Units	ppm, μg/m3, mg/m3 (selectable)
Physical Dimensions (HxWxD)	5.25 in. x 17 in. x 22.5 in. (133 x 432 x 571.5 mm)
Weight	25 lbs. (10.3 kg)
Certification	US EPA: RFNA-0418-250

*Specifications subject to change without notice