Model 6060

TRS Analyzer

The Model 6060 TRS Analyzer provides an accurate and convenient means of measuring low levels of Total Reduced Sulfur in ambient air.

The Model 6060 UV TRS Analyzer provides accurate measurement of TRS (Total Reduced Sulfur) or TS (Total Sulfur) gas in air or low source levels from industrial processes. The Model 6060 TRS analyzer uses the same optical bench as the Model 6020 UV Sulfur Dioxide analyzer. An efficient external TRS oxidizer/converter thermally converts all sulfur gases to SO2. SO2 (Sulfur Dioxide) gas that may be present in the sample gas passes through the TRS converter unaffected. TRS and SO2 combined in the sample gas is called TS. If only TRS gas is the gas of interest, an SOX (SO2 Scrubber) is attached to the rear of the Model 6060 and plumbed in series to remove any SO2 gas that may be present. If there are other sulfur gases present in the sample gas, they will pass through the SOX scrubber and TRS converter unaffected and not measured.

Specifications

Specifications subject to change without notice

Ranges	0-50 ppb to 0-20 ppm User set
Noise	< 0.2 ppb
Lower Detectable Limit	< 0.4 ppb
Zero Drift	< 0.5 ppb per 24 hours
Span Drift	< 0.5% of reading/24 hr
Cycle Time	1 sample/second
Precision	<1 % of URL
Linearity	<1 % of URL
Sample Flow Rate	0.4 to 0.8 LPM
Operating Temperature	5° 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: RFSA-0616-237 (SO2 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

Advanced, easy to use, menu-driven software allows access to sample conditions various diagnostics, and the visual graph for users to view a time series plot for TRS readings. The 6060 TRS 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.

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