

Model 6060 TRS Analyzer

Overview

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.

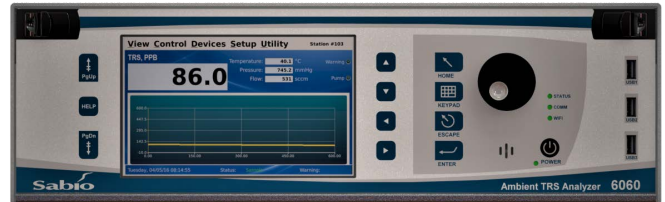
The 6060 Analyzer offers a bright color display, data logging capability and advanced communications via Ethernet, USB and RS-232/485

Standard Features

- ▶ Ranges: 0-25 ppb to 0-2 ppm user set.
- ▶ Large color TFT LCD display
- ▶ Various user interface options including touch screen, front panel keypad, external keyboard and mouse
- ▶ Menu driven software
- ▶ Ethernet, USB and RS-232/485 ports
- ▶ Front panel USB connections for peripheral devices and firmware updates
- ▶ Four independent analog outputs with flexible ranges
- ▶ 8 digital input/outputs (I/Os)
- ▶ Automatic temperature and pressure compensation
- ▶ Comprehensive internal data logging
- ▶ Modbus protocol

Optional Features

- ▶ Rear mounted SOX Scrubber or H₂S Scrubber
- ▶ Humidifier for SOX Scrubber to keep SOX scrubber material active in dry climates.
- ▶ Dilution module for measurement of low levels of TRS and H₂S in CO₂ gas for the beverage industry.



SPECIFICATIONS

Ranges	0-25 ppb to 0-2 ppm user set
Noise	< 0.0005 PPM
Lower Detectable Limit	< 1 ppb
Zero Drift	< ±.003 PPM per 24 hours
Span Drift	< ±1% URL per 24 hours
Cycle Time	1 sample/second
Precision Linearity	< 1% of URL
Sample Flow Rate	0.4 to 0.8 LPM
Operating Temperature	5° to 40° C (EPA Approved Range)
Operating Humidity	0 to 90%, non-condensing
Power Requirements	200 Watts, TRS Converter/ Oxidizer 500 Watts
Voltage Output Ranges	0.1V, 1V, 2V, 5V, 10V, user selectable
Input/Output Ports	0.1V, 1V, 5V, 10V or other, user selectable with over & under range
Physical Dimensions (H x W x D) SO ₂ Analyzer	5.25 in. x 17 in. x 22.5 in. (133 x 432 x 571.5 mm)
Physical Dimensions (H x W x D) TRS Converter	5.25 in. x 17 in. x 17 in. (133 x 432 x 432 mm)
Weight	25 lbs. (10.3 kg)
Certification - SO ₂ Bench	US EPA: RFSA-0616-237