

PRODUCT FLYER

NEW

Trace-1000 S/N™

Trace Sulfur - Nitrogen Measurement Applications



Precise

Consistent

**Reliable
Analysis**

- Low Concentration Total Sulfur Analysis (100 ppb – 10 ppm)
- High Speed Analysis and Response Time
- User Defined Data Averaging
- Low Utility Consumption
- Compact Instrument Footprint
- Does Not Require Installation in Shelter

SPECIFICATIONS

Analytical Performance

Measurement Method: Total Sulfur – Excimer UV Fluorescence (EUVF)

Measurement Range: 100 ppb – 10 ppm (as required for specific gas application)

Repeatability: 50 ppb SD or $\pm 2\%$ of measured value, whichever is greater.
30 ppb SD with 5-min. averaging or $\pm 2\%$ of measured value, whichever is greater.

Linearity: $\pm 2\%$ of full scale (dynamic range dependent)

Response Time: 99% (+) in one cycle (100 secs typical)

Calibration: Automatic or manual

Analog/Discrete Data Communications

Analog Outputs: Two 4-20 mA DC

Alarm Outputs: One global dry contact triggered by one or more of the following:
Power failure, loss of purge, low oxidizer pressure, autocal fault, analyzer in calibration, analyzer not running

Digital Data Communications: RS-232/RS-485/RS-422 Modbus (with TCP/IP Ethernet)

Local MMI (GUI): 12" Touchscreen computer with embedded Windows 7 allows complete operation and control of all analyzer functions

Remote Interface: ACCESS allows complete control of TraceS-1000, including monitoring of analysis parameters and digital data values

Utility Requirements

Ambient Temperature:	-20°C to +40°C (-4°F to +104°F)	Instrument Air:	70 psig (4.8 bar), 5 SCFM, Oil Free, -40°C (-40°F) dew point
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Power:	120 VAC, 50/60 Hz at 2200 watts (max.)	UHP Oxygen:	40 psig (3 bar) 100 SCCM
		UHP Argon:	40 psig (3 bar) 120 SCCM

Physical Parameters

Dimensions: 965.2 mm (38.0 in) high x 660.4 mm (26.0 in) wide x 304.8 mm (12.0 in) deep

Mounting: Wall or Unistrut Stand

Certifications: Built to NEC Class 1, Div 2, Group B,C,D. CSA (optional)