



MINDEX

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Total Sulfur Analyzer

SULFAR



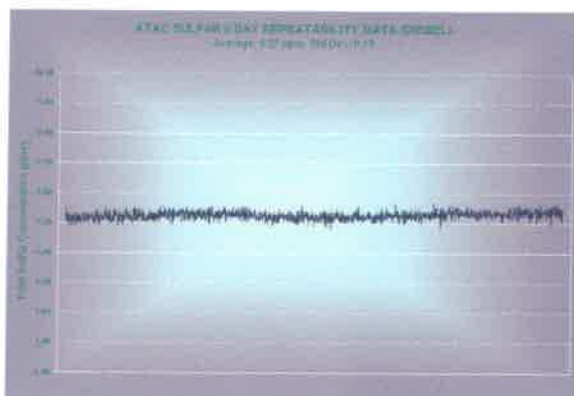
Powered by **ABB** Technology



Performance

The SULFAR analyzer measures the total sulfur in light hydrocarbons, motor fuels and oils in accordance with ASTM Method D7041-04. The use of this method offers the end user the advantage of enhanced precision when monitoring at 10 ppm and below in both gasoline and diesel.

Repeatability Example



Applications

- Diesel Blending monitoring or optimisation
- Gasoline Blending monitoring or optimisation
- Hydro-treater Diesel component monitoring
- Pipe-line Interface Detection
- LPG Monitoring
- Catalytic Cracker Gasoline component monitoring

Outline Specifications

Power:	100/120/230 VAC ± 10%
Frequency:	50/60 Hz ± 10%
Power Consumption:	1800 VA Max. 1725 VA Typical
Environmental:	IP52 (NEMA 12)
Ambient Temp:	0 to 50°C
Humidity:	95% relative humidity max.
Dimensions:	708 mm W x 340 mm D x 1175 mm H
Weight:	91 kg

Area Classification: NEC Class I, Divisions I&2, Groups B, C, D, T2



ATEX - conforms to ATEX Directive 94/9/EC and EMC Directive 89/336/EEC

NEC: Zone 1: I I 2G, EEx pde [ib] ib [ia] I I B+H2 T3, or T2

Gas Requirements

Instrument Air (Purge): 50 psi minimum
Air Carrier/Burner: GC Grade (Cylinders)
Hydrogen Burner Fuel: GC Grade (Cylinders)

Sample Requirements

Phase: Liquids Only
Sample Pressure: 14.5 psi min., 100 psi max.
Temperature: 100°C max.

Performance

(meets or exceeds ASTM D7041)

Repeatability:	Gasoline 0.53 ppm
[@ 10 ppm]:	Diesel 0.38 ppm
Cycle Time:	5 minutes
Analytical Ranges:	0 - 10 ppm up to 10,000 ppm

Outputs/Communications

Analog Outputs:	32 each, 4-20mA isolated
Serial Outputs:	RS232 printer
Digital Outputs:	Up to 32 each, 10 standard
Networking:	ABB VistaNET ²⁰ compatible
Recorder:	0 - 10V recorder output

