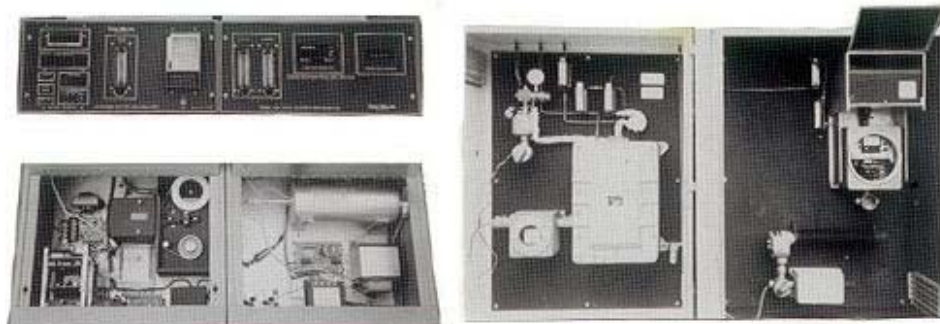


Analytical Systems International
Provides
RECONDITIONED SULFUR AND H₂S ANALYZERS
UPGRADES • Service • PARTS • SUPPLIES
for
HOUSTON ATLAS - TRACOR ANALYZERS

● **Total Sulfur** ● **Hydrogen Sulfide** ● **Laboratory** ● **Process**

RECONDITIONED SULFUR AND H₂S ANALYZERS



The requirement to obtain an efficient, low maintenance and cost-effective H₂S and total sulfur analyzer has been sought for many years. Now Analytical Systems is providing reconditioned Houston Atlas / Tracor analyzers along with quality and dependable technical support. To qualify this, we offer a one-year analyzer warranty, many satisfied customers who have utilized our products and technical service, and over thirty years of direct experience with Houston Atlas / Tracor analyzers. Capital cost savings of 65% or more can be achieved by the purchase of a reconditioned analyzer. We also offer trade-in credits for your old analyzer, service contracts at discounted rates, and start-up assistance included with the purchase. For more information, please refer to our brochure available on request (See analyzer quote request form) and various ASTM methods including D 4045, D 3031, D 4084, D 4468, D 4323, and other sources¹.

ANALYZER UPGRADE INSTALLATIONS



Analytical Systems also offers upgrade installations to reduce down time, improve performance, safety, and minimize maintenance. These installations include:

- **Electronic Module Upgrade** to allow easy access to boards, photocell test jacks, photocell balance adjust, motor run LED, and manual motor run switch. See above photograph.
- **Carbon Reduction System** for Total Sulfur Analyzers.
- **Pyrolysis Furnance Fail Safe System** to indicate when furnaces is out of service in total sulfur analyzers.
- **Excess Sample Vent Upgrade** to convert old style 1/4" vent to 3/8". This would essentially eliminate erroneous readings resulting from back pressure caused by high winds and range extension systems accomplished by sample chamber diffusers, etc.
- **Microliter Injection System** and Integrator to provide response in less than one minute, improved accuracy, and reduced risk of human error. See above photograph.
- **Other Upgrades** as required and specified by client.

¹Kimbell, Charles, "Sulfur Measurement in Liquid and Gaseous Alternative Fuels", ASTM STP809, J.S. Clark and S.M. Decorso, Eds., ASTM Philadelphia, 1983, pp. 291-299.

Drushel, H.V., "Trace Sulfur Determination in Petroleum Fractions", Analytical Chemistry, Vol. 50, No. 1, Jan. 1978, pp. 76-81.

FIELD & FACTORY REPAIR & UPGRADE SERVICE

Analytical Systems Int'l. provides field and factory repair service for Houston Atlas / Tracor analyzers. A full warranty is provided to guarantee your satisfaction. Customers who have utilized our technical services agree that Analytical Systems provides quality, dependable, and cost-effective service. Services include new process H₂S analyzer easy access board installation, analyzer system check out, analyzer reconditioning, sub-assembly repair, troubleshooting, calibration, and preventative maintenance. Service expenditures can be reduced by 50% or more on the hourly service charge alone.

PARTS AND SUPPLIES

All parts, sub-assemblies and supplies for the Houston Atlas / Tracor analyzers are available. A partial list of parts include H₂S sensing tapes (brochure available on request) photocells, motor assemblies, quartz and ceramic tubes, filters, filter elements, recorder chart paper, and bubbler solution. Also available are printed circuit boards, pyrolysis furnaces, and other sub-assemblies on a repair and exchange basis. Cost quotes are available on request. Expenditures can be reduced by 50% or more on repair exchange items.

ADDITIONAL PRODUCTS

Hydrogen Sulfide Analyzer

Tape Method



Series 1200

- ASTM Reference Methods
- Direct Read LCD
- Dual Processors for 100% Analysis & Communication
- Fault Diagnostics
- Explosion Proof On Line
- Remote Operation and Access
- 18-Bit A/D Converter with Faster Response, Lower Detectable Limits, and Less Tape Consumption
- Automatic Calibration
- Specific for H₂S Only

Total Sulfur Analyzer

Reduction & Tape Method



Series 1700

- ASTM Reference Methods
- Automatic Calibration
- Explosion Proof On Line
- Direct Read LCD
- Single LED Light Source
- Dual Processor Power 100% Analysis
- 18-bit A/D Conversion For Faster Response, Lower Detection Limits & Less Tape Consumption
- Fault Diagnostics
- Interference Free Detection

Hydrogen Sulfide Sensing Tape



- For Most H₂S & Total Sulfur Analyzers
- Consistent Quality
- Full Warranty
- Foil Packaging
- 8-Year Shelf Life
- Cost-Effective
- Custom Lengths

Emission Control for G.C. & Analyzers



- Eliminates 98% of Hydrocarbon Fugitive Emissions At 1 Liter Per Min.
- Protects the Environment
- Virtually Maintenance Free
- Explosion Proof
- Eliminates Need for Flare Line