

HTEK INSTRUMENT

XRF Sulfur Analyser-EDX9000E



- © Advanced Sulfur Analysis with XRF complies with ASTM D4294, ISO 8754 and IP 336 methods for sulfur analysis of hydrocarbons
- © Advanced Precision
- © Advanced Reliability & Robustness
- © Advanced Software
- © Advanced Data Management



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EDX9000E

Sulfur analyser

Overview

The Sulfur in Oil XRF Analyser Complying with ASTM Method 4294

Sulfur is a major element of importance because it forms sulfuric acid in the atmosphere when burned and has harmful impact on the human health and on the environment.

The EDX-9000E Are the simplest, most accurate, non-destructive and price-performance competitive analyzers that can deliver quickly very accurate and precise measurements of sulfur meeting stringent ASTM method requirements.

Overview

- Rugged, compact elemental analyser for repeatable and reproducible results in laboratories production environments and mobile operations.
- Intuitive interface is displayed on the large, industrial touchscreen.
- Streamlined software and one-touch measurement start makes it easy for any operator to get high quality results.
- Training for routine analysis takes only minutes.
- Atmospheric compensation allows analysis without the need for helium or vacuum purge, minimizing the cost per analysis.
- Automatic carbon/hydrogen (C/H) ratio correction allows the analysis of multiple types of oils and fuels to be made on a single calibration, simplifying analyser setup and operation
- X-ray tube and detector are operated in conditions designed to ensure long-term reliability.
- Built for tough environments.
- Software inspired by point-and-shoot hand-held analysers.
- Entire display area is dedicated to routine analysis
- One-touch measurement start for routine testing
- On-board data storage of up to 100,000 results, including spectra
- Low cost of maintenance
- Easy Sample prepare and user-friendly operation.
- No gas consumption or vacuum needed.

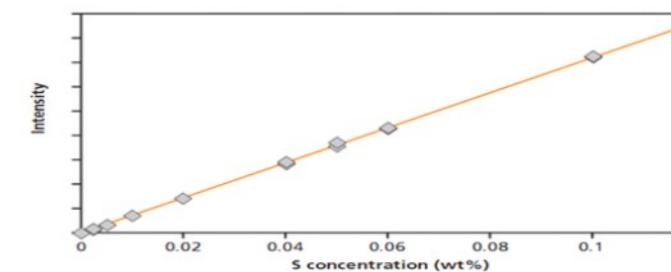
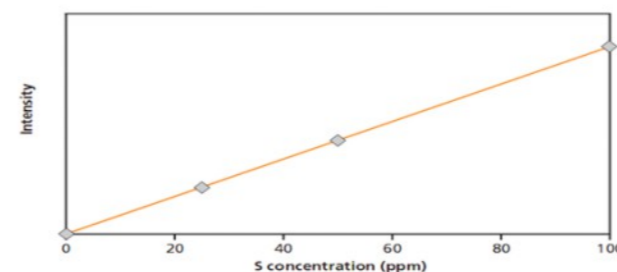


Energy resolution: 130 eV at Mn K α
Count rate: 500 000 cps

- Compliance:
Conform to test methods and standards such as ASTM D4294, ISO 8754, ISO 20847, IP 336.

Specifications

- Factory Calibration included:
Low sulfur: 10ppm- 100ppm
High sulfur: 0.01%-5%
- Dimension: 380×372×362mm
- Fast SDD detector resolution proves the most excellent test performance
Area: 70 mm²



High precision results without daily calibration needed.

Test report of Sulfur in oil standard samples

Unit:	PPM	Test Time:100 seconds		
No.	Calibration	300ppm	1000ppm	10000ppm
1	Crude Oil	297	1001	10080
2	Crude Oil	293	998	9993
3	Crude Oil	305	1017	9982
4	Crude Oil	295	1008	9918
5	Crude Oil	291	1007	9978
6	Crude Oil	309	990	10068
7	Crude Oil	312	995	9986
8	Crude Oil	316	1015	9999
9	Crude Oil	307	1010	9918
10	Crude Oil	313	999	9928
11	Crude Oil	302	1016	9958
Certified Value		300	1000	10000
Average Test Result		304	1005	9983
Standard Deviation Sn		8.64	9.10	53.96
Error ppm		4	5	-17
RSD		2.85%	0.91%	0.54%

We offers a full range of technical support to keep you up and running.

- Telephone help-desks
For a fast response to your problem.
- Remote diagnostics
In-depth support over the internet.
- Preventive maintenance
Ensures your analyser produces the right result year after year
- Consumables and accessories
From sample preparation to calibration standards.