

X-ray Fluorescence Sulfur Analyzer

This X-ray fluorescence sulfur analyzer is designed for determining sulfur content in petroleum products. It adopts energy-dispersive principles with electrical, mechanical, and microprocessor integration for rapid and accurate analysis.



Overview

Advanced Sulfur Analysis

This X-ray Fluorescence Sulfur Analyzer is designed for rapid, non-destructive determination of sulfur content across a wide measurement range. Featuring an integrated microprocessor design, it offers automated temperature, pressure, and C/H ratio corrections for high accuracy. The system includes robust safety protections, self-diagnostic capabilities, and convenient data management, making it an essential tool for quality control in petroleum and chemical applications.

Performance Metrics

Measurement Range

7 ppm

Lower Limit

5 %

Upper Limit

Detection Limit

7 ppm

Required Oil Sample Quantity

2.5 ml

Operational Settings

Preset Measurement Times

- 60
- 120
- 240
- 300
- 600

Repeat Measurement Options

- 2
- 3
- 5
- 10
- 50

System Capabilities

Calibration Curve Storage

9

Connectivity

RS232 Serial Port, Computer Compatible, Web System Integration

Physical Specifications

Dimensions	468mm x 368mm x 136mm
Weight	13 kg

Environmental Requirements

Operating Environment

Parameter	Value
Ambient Temperature	5^40
Relative Humidity	d85% \hat{a} t 30)

Power Requirements

Power Supply	AC 220V \pm 20V, 50 Hz
Rated Power	30 W