

Petra 4294

EDXRF Sulfur Analysis System

ASTM D4294

Petra 4294 is a high-precision XRF analyzer that delivers D4294 sulfur analysis across a broad measurement range. This instrument offers advanced precision with HDXRF, advanced reliability, and advanced software and data management. Petroleum laboratories depend on reliable, robust analytical solutions for their fast-paced environment. Petra 4294 was designed to meet these needs with an innovative sample introduction system that directs accidental spills to a drip tray and away from valuable components.

Petra 4294 Autosampler offers a more efficient workflow with sample tracking and continuous sample loading. Users can eliminate data errors and add urgent samples to the queue as needed.

The Autosampler Upgrade Kit can be added to any Petra Series analyzer. Users have the option to use X-ID Sample Cups (QR-coded) or standard XRF cups.

Advanced Software & Data Management

Petra offers the latest software features and data management for simple, intuitive operation.

- Store up to 30 calibration curves
- Data output via Ethernet connection to LIMS or transfer over USB
- On-screen averaging allows users to quickly check performance levels across multiple measurements
- Data history stores results for 10k measurements



Specifications

Dynamic Range	Sulfur 2.6 ppm – 10 wt%
Limit of Detection (ppm @ 600s)	Sulfur 2.6 ppm
Applications	Hydrocarbons
Method Compliance	ASTM D4294, ISO 8754, & IP 336
Ion source temperature	350 °C, adjustable
Measurement Time	30-900 seconds
Calibration	30 calibration curves
Sample Cup Volume	7 mL
Data Output	Printout, USB, and Ethernet to PC connection
Mass accuracy	± 0,1 amu
I/O Ports	Ethernet 10/100, USB
Power Supply	110-240 VAC ± 10%, 50-60 Hz
Operating Temperature	+41°F to 104°F (5°C to 40°C)
Operating Humidity	30 - 85 %