



SPECTROSCAN SL

ENERGY DISPERSIVE X-RAY FLUORESCENCE ANALYZER
OF SULFUR IN PETROLEUM AND PETROLEUM PRODUCTS

💧 EDXRF SULFUR ANALYZER

With unique characteristics in class of energy-dispersive analyzers.

💧 **SPECTROSCAN SL** is the best solution for testing of low sulfur fuels.

💧 **Measurement range from 3 ppm to 6%.**



EDXRF sulfur analyzer SPECTROSCAN SL is designed for both low and high sulfur content determination in petroleum and petroleum products. Compiles with ASTM D4294, ISO 20847, ISO 8754.

ADVANTAGES

- No He blowdown is required.
- Lower detection limit is 1ppm.
- Simple in operation, no installation required.
- Analyzer parameters are suitable for mobile laboratories.
- Sample data and analysis results are shown on the screen display and printed out by inbuilt printer.
- Special ventilated cups are developed for volatile petroleum products.

DUE TO LATERAL POSITION OF THE SAMPLE CUP DURING MEASUREMENT:

- Errors due to water and air bubbles in petroleum products are excluded.
- Contamination with petroleum products of the inner parts of the analyzer is excluded.
- Additional errors due to contamination of an extra protection film are excluded.
- Easily cleaned sample changer.

CHARACTERISTICS

SPECTROSCAN SL is a desktop, compact EDXRF sulfur analyzer which is controlled by the built-in microprocessor-based computer.

Thermal printer, membrane keyboard and display are integrated to the body of analyzer.

The unique lateral position of the sample cup eliminates the need of additional leakage protection.

A close sample location to X-Ray tube and detector provides a superior sensitivity for these class of devices.

Analyzer has a safety mechanism against accidental X-ray leakage. Its design provides a complete protection of the staff while any working conditions.

MEASUREMENT PROCEDURE

Minimum operator actions:

- enter a number or a name of the sample using an inbuilt key-board;
- fill in two sample cups with the sample;
- consistently measure two samples.

All remaining operations run automatically:

- calculation and displaying the sulfur content in the sample;
- repeatability reporting – difference between measurements of the first and second samples;
- printing out the results of measurements.



SPECIFICATIONS

Determined element	S(sulfur)
Measurement principle	Energy Dispersive X-ray Fluorescence Analysis
Lower detection limit for 200 s	1ppm
Measurement range	from 0,0003% to 6,0%
Supported methods	ASTM D4294, ISO 20847, ISO 8754
Measurement time	from 10 to 900 sec. per sample, selectable
Sample cups, diameter, volume	Ø 32 mm, V 8 cm ³ , ventilated
Sample volume	5-7 ml
X-ray tube, anode, voltage	Ag-anode, max 5 kV
Excitation power	max 5,0 W
Detector, resolution	Low-Background Sealed PC, 690 eV
Interface	inbuilt display and thermal printer
Dimensions and weight (mot more)	360 x 380 x 180 mm, 8,5 kg
Power supply	220 V, ~ 50 Hz, 100 W

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