



XRF-Spectrometer LD-LXRF-A12

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Overview

The X-ray Fluorescence of Energy Dispersive Spectrometers are made for quick and accurate elemental analysis of liquid, powder, and solid materials. It offers high-sensitivity elemental analysis for a variety of laboratory and industrial applications because to its sophisticated SDD detector, clever analytical software, and adaptable sample-handling setups.

Features:

- 20-position sample capacity
- Automatic multi-sample testing
- Advanced safety protection
- User-friendly analysis software
- Wide elemental range: F–U
- Solid and liquid sample analysis
- Intelligent sample recognition
- Vacuum & helium analysis modes

Applications:

Suitable for elemental analysis in metals, minerals, petroleum, chemicals, cement, environmental samples, and other industrial materials, including quality control, material identification, and composition testing.

Specifications:

Weight	85 kg
Detector	SDD
Power Supply	AC 220V $\pm$ 5V
Tube Current	0–1000 μ A
Tube Voltage	5–50 kV
Sample Chamber	340 × 64 mm
Detection Limit	0.2 ppm*
Analytical Range	ppm – 99.99%
Sample Positions	20 sample chambers + single chamber (optional), controlled by PLC
Excitation Source	Tube voltage 5~50kV, tube current 0~1000 μ A
Temperature Range	15–30°C

Testing Atmosphere	Atmospheric / Vacuum / Helium
Analytical Accuracy	<0.05% RSD*
Instrument Dimensions	646 × 578 × 388 mm
High Voltage Generator	Imported Spellman High Voltage
Elemental Analysis Range	F – U
Matrix Effect Correction	Mutually independent matrix effect correction model
Detector Energy Resolution	?129 eV