



Portable XRF Spectrometer LZ-PXS-A100

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Overview

Portable XRF Spectrometer LZ-PXS-A100 is a compact cube type X-ray Spectrometer designed for the onsite analysis of Sulfur in oils. It offers the flexibility to perform onsite analysis from elements ranging Si to U, tailored to user specifications. This instrument finds extensive application in industries such as cement, steel, powder metallurgy, coal,

petroleum, kaolin, glass, refractory materials, and environmental protection. As a result, it is a preferred solution for quality control in both large and mid-sized enterprises.

Specifications :

Elemental range	From Si - U
Testing samples	Solids, liquids, Powders
Measurement range	1ppm ~ 99.99%
Temperature range	-20°C to +50°C
Test Method	EDXRF
Detector	SDD detector
Detector resolution	130eV
Detection limit	20ppm for sulphur in fuel oil
Humidity	≤90%
Test Time	30-130s
Operation	One key test
Collimator size	Φ 4mm
Interface	Bluetooth printer (optional)
Dimensions	212 x 258 x 258 mm
Weight	< 4.5 kgs

Features :

1. Wide application and elemental range (Si- U)
2. Quick and non-invasive examination

1. Enhancing analysis precision is achieved more effectively
2. Light weight and portable elemental analyser
3. Built-in PDA with the professional software for easy operation
4. Power indicator with green and red light
5. Integrated camera functionality allows the capture and storage of sample images, facilitating their inclusion in the testing report
6. Comprised of PDA Professional software
7. Designed with a handle for easy carrying
8. High sensitivity and High throughput
9. Non-destructive, reliable and requires very little sample preparation
10. Radiation safety system will deactivate the high voltage when the machine cover is open
11. Small footprint with high analytical power

Applications :

Flexible instrument for analysing sulfur content in crude oil exploration, conducting liquid element analysis, and monitoring refinery product lines in mineral industries.



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