

| Rapid | Accurate | Non-Destructive |



EDX 1800B

X-ray Fluorescence Spectrometer

RoHS | Full element analysis | Plating Thickness

EDX1800B X-ray Fluorescence Spectrometer

Faster Quality Control with accurate RoHS and Plating Thickness Analysis

EDX1800B X-Ray Fluorescence Spectrometer is specifically designed for RoHS analysis and quality control. Manufacturers seeking compliance with RoHS / WEEE directive can quickly and non-destructively screen their products for Hazardous substances and ensure the safety of their products



Application fields

- RoHS testing
- Mining and alloy analysis
- Measurement of electroplating and plating thickness
- Precious metal such as gold, platinum, silver and other metals

RoHS



Performance advantages

- Automatic collimators and filters
- Built-in SNE (Signal to Noise Enhancer)
- Intelligent RoHS analytical software
- Optional Plating-thickness analysis software
- Variable non-linear regression





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Testing 75+ elements | 1 ppm limit of detection | Repeatability 0.1% | Stability 0.1%

RoHS Directive Hazardous Elements

| Hazardous substances | Standards (mg/kg) |
|-------------------------|-------------------|
| Cd | 100 |
| Pb | 1000 |
| Hg | 1000 |
| Cr⁶⁺ | 1000 |
| PBB_s | 1000 |
| PBDE_s | 1000 |



Basic Configuration

Movable sample platform
High-low voltage power supply
Signal-to-Noise Enhancer (SNE)

Si-Pin detector
Open sample platform
Computer

Signal detection circuit
X-ray tube
Accessories

Technical Specifications

Measurable elements: Sulfur(S) to Uranium(U)

Limit of detection (LOD): as low as 1 ppm

Measurement range: ppm to 99.99%

Independent matrix effect correction

Multi-variable non-linear regression

Excellent repeatability: 0.1%

Stability: 0.1%

Ambient temperature: 15°C to 30°C

Power supply: AC 220V±5V or AC 110V±5V

Energy resolution: 160±5eV

Chamber size: 439mm x 300mm x 50mm

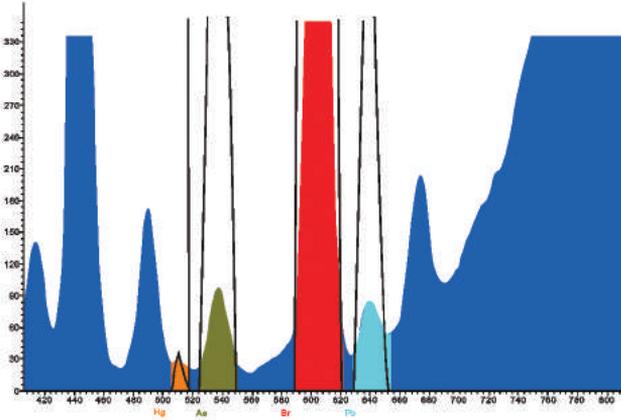
Instrument size: 550mm x 410mm x 320mm

Instrument weight: 45kg

EDX1800B X-ray Fluorescence Spectrometer



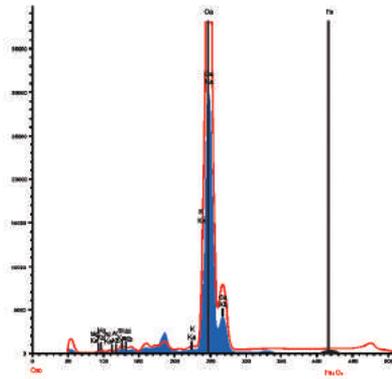
RoHS Testing



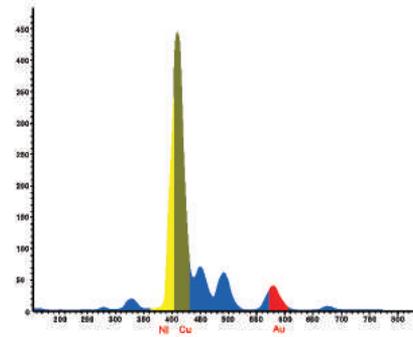
Spectrum



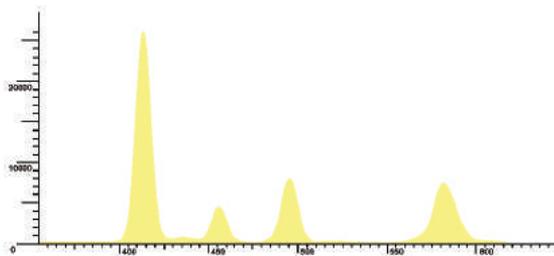
Mining Analysis



Plating Thickness Testing



Precious Metal Analysis



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