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Handheld XRF Spectrometer



YUKE handheld XRF analyzer is a powerful handheld XRF equipment launched by our company, featuring fast detection, ruggedness and small convenience. It can help users obtain laboratory - comparable results in the field environment. It is widely used in waste recycling, environmental assessment, RoHS compliance, consumer product safety, metal materials, metal jewelry and other fields.

Advantage:

1. High performance configuration

Low-energy X-rays combined with an intelligent vacuum system can have a good excitation effect on light elements such as Si, P, S, Al, and Mg. XRF technology can be used to analyze key elements with high content such as Cr, Ni and Mo.

2. Automatic switching of various collimators and filters



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5mm, 3mm, 1mm, 0.5mm four kinds of collimators, the collimator and the filter can be automatically switched by the software, saving time and effort, the detection can be improved by the combination of the appropriate collimator and filter or no filter Accuracy and Sensitivity.

3. NDT

It does not damage or affect the performance of the tested object, does not damage the internal tissue of the tested object, and has no damage in the entire testing process.

4. Peltier refrigeration

The advanced Peltier electric refrigeration method does not require liquid nitrogen, which reduces the complexity of equipment use and saves manpower and equipment maintenance costs.

5. Data transmission

USB, WIFI, wireless Bluetooth and other methods for data transmission.

6. Custom

The files can be in EXCEL, PDF and other formats, and users can create custom test reports: including company logo, spectrum and other sample information.

7. Safety

Fully enclosed metal case and anti-leakage protection switch, more scientific in design, coordination of software and hardware, electromechanical linkage, radiation safety in line with the requirements of national standards GB18871-2002 and GBZ115-2002.

Application scenario:



Metal materials

PMI, QA/QC, waste sorting, etc.



Environmental assessment

soil detection, solid waste detection



Consumable Safety Screening

RoHS compliance screening



Geology and Chemistry

mineral exploration, ore detection



Precious metal detection

jewelry/precious metal identification, automobile catalyst detection



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Product Parameters:

| | |
|--------------------------|---|
| Weight | 1.5KG |
| Size | 254mm×79mm×280mm (L×W×H) |
| Excitation source | 50kV/200μA upper limit, tube pressure tube flow can be adjusted freely, W/Ag/Rh target (optional) |
| Detector | Si-Pin etector/SDD detector |
| Detection range | Mg-U |
| Display system | 4.3 "industrial grade resistance touch screen Automatically adjust display brightness according to external environment |
| Data processing | Built-in 32GB storage USB, can connect the device to the Internet, remote setting and maintenance of the instrument |
| Heat dissipation | T-slot radiator |
| Security | Built-in DoubleBeam™ technology automatically senses samples ahead for enhanced radiation safety and protection Waterproof, dustproof and shockproof carrying case YUKEIndustry special safety rope |



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Power system

Intelligent battery with MSBUS, real-time monitoring battery, spare battery can directly check the remaining capacity of the battery, the battery complies with the air dangerous goods transport regulations
A single battery can work for about 8 hours