



ROHS ANALYZER

The TrueX RoHS Analyzer is designed to analyze the chemical composition of consumer products like toys, clothing, footwear, and electronic equipment on-site.

It swiftly detects toxic elements such as lead (Pb), cadmium (Cd), mercury (Hg), chromium (Cr), and bromine (Br), determining compliance with RoHS regulations. With its high sensitivity and repeatability, it's ideal for incoming material inspections, safety audits of finished and stored products.

APPLICATIONS

Portable XRF Analyzer - RoHS Analyzer

Restricted toxic elements in consumer products

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Component analysis and brand identification of metal components/fasteners; Chlorine and bromine in polymer materials and plastics

Portable XRF Analyzer - RoHS Analyzer

Cadmium, lead and mercury in packaging materials

Portable XRF Analyzer - RoHS Analyzer

Cadmium, lead, bromine, mercury, chromium and other elements in electronic components, connectors, cables, etc.

Portable XRF Analyzer - RoHS Analyzer

Solder - the state of raw materials and the contents of tin, lead, copper, silver, bismuth, cadmium and other elements contained in the solder at different stages of use; High reliability electronic components contain adequate amounts of lead

FEATURES

Handheld

The Handheld XRF Analyzer - RoHS Analyzer instrument is compact and lightweight, making it easy to carry.

Omnidirectional environmental sensing system

The built-in omnidirectional environmental sensing system allows TrueX to detect changes in the surrounding environment in real-time. It automatically adjusts parameters for element analysis to accommodate special conditions such as high and low temperatures, dust, darkness, and humidity.

Safety

Handheld XRF Analyzer - RoHS Analyzer has the built-in DoubleBeam™ system automatically detects samples in front of you, providing enhanced radiation safety and protection.

Low detection limit

TrueX's new built-in net intensity fitting algorithm optimizes spectral resolution, allowing it to achieve a low detection limit comparable to that of large laboratory equipment.

Ultrashort™

The built-in Ultrashort™ optical path design significantly enhances the excitation effect of light elements such as Mg, Al, Si, S, and P without the need for nitrogen filling.

High-performance configuration

High-speed processing chips, advanced algorithms, and efficient software combine to expedite instrument analysis.

Industrial resistance touch screen

The 4.3-inch industrial resistance touch screen offers superior backlight performance compared to capacitor screens. It remains clearly visible under strong sunlight in the field and eliminates the need to remove gloves in special outdoor environments.

Smart battery

A single battery can operate for approximately 8 hours. It supports hot swapping, allowing for replacement without shutting down while in operation. Additionally, it can monitor the remaining battery capacity in real time, and the battery complies with air transport regulations for dangerous goods.

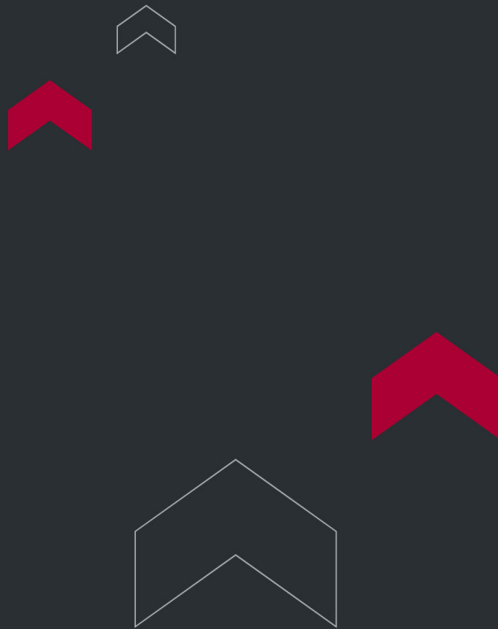
User-defined

Handheld XRF Analyzer - RoHS Analyzer users have the ability to generate customized professional reports, which can include company logos, addresses, test results, spectrographs, and other sample information such as product descriptions, origins, and batch numbers.

TECHNICAL SPECIFICATIONS

Weight	1.5KG
Size	254×79×280mm□ 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

Display System	4.3 "industrial grade resistance touch screen Automatically adjust display brightness according to external environment brightness
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 Special safety rope
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



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