

RoHS Analyzer



The RoHS analyzer can be used to analyze the chemical composition of consumer products such as toys, clothing, footwear and electronic equipment in the field. It can quickly detect toxic elements such as lead Pb, Cd, Hg, Cr, Br and determine whether these consumer products comply with RoHS regulations. With the advantages of high sensitivity and high repeatability, it



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is the ideal choice for incoming material inspection, safety audit of finished products and storage products.

Advantage:

1. Portable

The instrument is smaller in size and lighter in weight, so it is easy to carry.

2. Omnidirectional environmental sensing system

The built-in omnidirectional environmental sensing system enables TrueX to sense changes in the surrounding environment in real time and automatically adjust parameters for element analysis under special conditions such as high and low temperature, dust, darkness and humidity.

3. Safety

Built-in DoubleBeam™ automatically detects samples in front of you for enhanced radiation safety and protection.

4. Low detection limit

TrueX's new built-in net intensity fitting algorithm optimizes spectral resolution, enabling TrueX to have a low detection limit comparable to large laboratory equipment.

5. Ultrashort™

Built-in Ultrashort™ optical path design significantly improves the excitation effect of light elements Mg, Al, Si, S, P without nitrogen filling.

6. High-performance configuration

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

7. Industrial resistance touch screen

4.3-inch industrial resistance touch screen, compared with capacitor screen, has better backlight performance, can still be clearly visible under strong light in the field, and avoid the risk of removing gloves in special outdoor environment.

8. Smart battery

A single battery can work for about 8 hours. It supports hot swap and can be replaced in working state without shutting down. It can also monitor the remaining capacity of the battery in real time, and the battery complies with the air dangerous goods transport regulations.

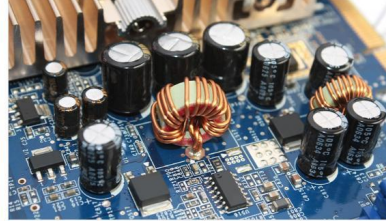
9. User-defined

Users can create customized professional reports, including company logo, company address, test results, spectrograph and other sample information (such as product description, origin, batch number, etc.).

Application scenario:



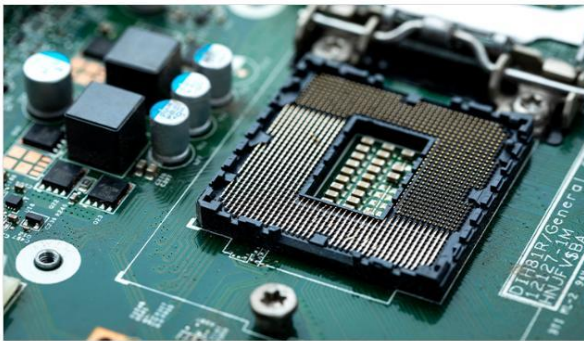
Restricted toxic elements in consumer products



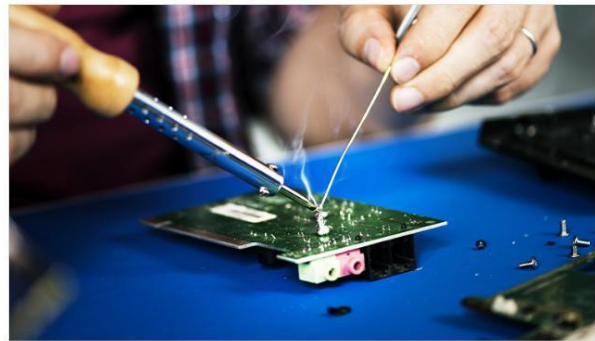
Component analysis and brand identification of metal components/fasteners; Chlorine and bromine in polymer materials and plastics



Cadmium, lead and mercury in packaging materials



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



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

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)



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Detector	Si-Pin etector/SDD detector
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 maintenanc e of the instrument
Heat Dissipation	T-slot radiator
Security	Built-in DoubleBeam™ technology automatically senses samples ahead for e nhanced radiation safety and protection Waterproof, dustproof and shockproof carrying case YUKEIndustry special safety rope
Power system	Intelligent battery with MSBUS, real-time monitoring battery, spare battery c an 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