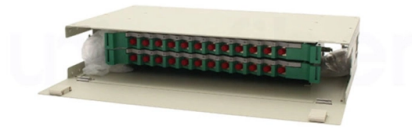


Handheld RoHS Hazardous Substance Spectrometer



Overview

TrueX 600 Handheld XRF ROHS Analyzer TrueX utilizes anti-slip, abrasion resistance and streamlined design, which is light and easy to carry. It also integr.

Key Takeaways

A handheld RoHS spectrometer is a portable XRF analyzer designed for rapid, non-destructive detection of hazardous substances in electronics and consumer products. Overview and Purpose

Handheld RoHS spectrometers are portable X-ray fluorescence (XRF) analyzers used to screen for restricted substances under RoHS regulations, including lead (Pb), cadmium (Cd), mercury (Hg), hexavalent chromium (Cr6+), polybrominated diphenyl ethers (BDE), and polybrominated biphenyls (PBB) . They are widely applied in electronics, medical devices, toys, apparel, and packaging materials to ensure compliance with safety standards and regulatory requirements .

Key Features

- Portability and Ease of Use: Lightweight, battery-powered, and operable without an external PC, making them suitable for field testing at production sites, retail locations, or import/export checkpoints .
- Rapid Results: Provide pass/fail results within seconds, enabling quick decision-making for compliance verification .



- **Non-Destructive Testing:** Can analyze metals, plastics, and mixed materials without damaging the sample, including solder joints, connectors, and components on assembled boards .
- **Advanced Detection Technology:** Equipped with high-resolution detectors, digital multi-channel processing, and algorithms to improve accuracy, repeatability, and detection limits comparable to benchtop XRF instruments .
- **Safety and Durability:** Many models feature double beam technology, radiation shielding, drop resistance, and IP-rated protection against dust and water, ensuring safe operation in challenging environments .
- **User Interface and Data Management:** Touchscreen operation, built-in cameras, customizable reports, and wireless connectivity for archiving results and integrating with compliance systems .

Applications

- **Regulatory Compliance:** Screening consumer products for RoHS compliance and other hazardous substances .
- **Quality Control:** Inspecting incoming materials, production components, and finished products to prevent non-compliant items from entering the supply chain .
- **Field Testing:** Portable design allows testing at warehouses, docks, or production lines without sending samples to a laboratory .
- **Material Analysis:** Detects toxic elements in metals, plastics, and mixed materials, supporting environmental safety and consumer protection .

Popular Models

- **TrueX 600:** Features ultra-high resolution detectors, digital multi-channel processing, and intelligent battery management for field use .
 - **Vanta Series:** Offers rapid elemental analysis, low detection limits, built-in cameras, and ruggedized design for durability .
 - **TT-X3000:** Provides fast, non-destructive detection with high-resolution LCD, digital signal processing, and performance comparable to desktop XRF instruments .
- Handheld RoHS spectrometers are essential tools for ensuring product safety, regulatory compliance, and efficient quality control, combining portability, speed, and accuracy for modern industrial and regulatory applications.

Article Content

TrueX 600 Handheld XRF ROHS Analyzer

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The TT-X3000 Handheld Portable XRF RoHS Analyzer by Testron

Handheld XRF Analyzers for RoHS Compliance | Alloy Geek

Handheld XRF analyzers for RoHS screening. Detect lead, cadmium, mercury, and chromium in electronics and components. Find

Skyray Instruments USA Inc-RoHS Hazardous Substances Analysis X

Equipped with SDD Detector Skyray XRF RoHS Analyzers precisely trace hazardous elements and thanks to built-in HD Camera the

RoHS Testing with XRay Fluorescence (XRF) Analyzers

XRF analyzers provide a non-destructive approach to RoHS testing of electronics and other goods. Review

Handheld XRF Analyzer RoHS Analyzer

TrueX 600 The Handheld XRF Analyzer - RoHS Analyzer | TrueX 600 is a compact, lightweight, and highly portable device designed

Handheld Chemical Detector, Hazmat ID, Resolve | Agilent

Agilent chemical detectors use SORS handheld Raman technology for explosives, narcotics and hazmat ID. Identify hazardous

Handheld Portable XRF Analyzer for RoHS, Hazardous

TESTRON TT- X3000 Handheld Portable XRF RoHS Analyzers have become powerful

Analyzers for hazardous substances RoHS screening simplified

HM1000A: Fast and Simple Screening of Phthalates for RoHS 2 Compliance This thermal desorption mass spectrometer helps you

RoHS compliance and halogen screening with handheld XRF

RoHS compliance screening The European Union's initial Restriction of Hazardous Substances (RoHS) Directive (2002/95/EC) was

K-700 Handheld ROHS analyzer

K-700 RoHS analyzer can effectively control the hazardous elements in restricted products, and meet the

Portable RoHS Analyzer by Xrf Spectrometer From

Portable RoHS Analyzer by Xrf Spectrometer From Skyray Instruments, Find Details and Price about

TrueX 660 Handheld XRF ROHS Analyzer

Features of TrueX 660 Handheld XRF ROHS Analyzer TrueX utilizes anti-slip, abrasion resistance and

XRF | April 2025 | Quality

Many jurisdictions worldwide have issued laws restricting the use of hazardous substances in those products. One of the most

Skyray_Genius_XRF

Genius 3000 XRF Handheld RoHS Analyzer Genius 3000 XRF X-Ray Fluorescence Spectrometer is widely used in toy safety

Gemini™ Chemical Identification Analyzer 5 years of support

Gemini™ Chemical Identification Analyzer. The Thermo Scientific Gemini Analyzer identifies unknown chemicals in the field using

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Handheld XRF Analyzers for RoHS Compliance | Alloy Geek

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handheld XRF spectrometer X-Ray fluorescence

Product DescriptionThe TrueX RoHS analyzer can be used to analyze the chemical composition of

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