

## Specifications

Dimensions: 550mm*525mm*350mm
Weight: 45Kg
Power Requirement: Provided with 100 VAC to 240 VAC, 50 Hz to 60 Hz, 150 watts power supply
Anode: Rh or Ag
Detector: Amptek Si-pin
Environmental Temp Range: -10 °C to 50 °C (14 °F to 122 °F)
Camera and Collimator: Integrated with measurement geometry; small-spot collimator; selectable diameter sizes depending on sample size
Element Suite standard sample(ERM standard): Pb, Cr, Hg, Br, Cd, Cl, As, Ba, Sb

## Standard Accessories

Initialization standard sample
Sample Holder/ Sample cups
USB cable
RoHS Check Reference standard
Spare test windows
Factory Authorized Training and Support available

## Worldwide Restricted Hazardous Substance Regulations and Testing Methods

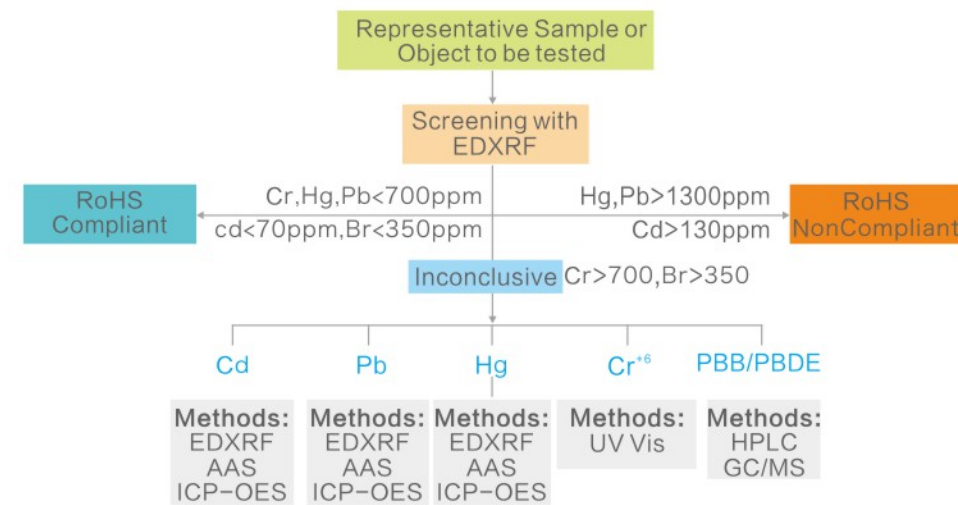
EU RoHS Directive (2011/65/EU)

EU WEEE Directive (2012/19/EU)

USA CPSIA (HR4040)

USA Halogen Free Directive

### Typical analysis procedure by Certified Laboratory



EDXRF is applied as the quick scan and screen tool for unknown sample RoHS compliance analysis. The EDX6600D combines regulatory recommended XRF technology with multiple value-added features to provide the ideal tool for a RoHS compliance analysis, affording economy of operational costs, space, and time with a seamless integration of data and results.

EDX6600D XRF analyzers offer accurate, sensitive analysis with easy-to-use reporting software in an ergonomic and dependable package. It offers detection of limits that are well within typical regulatory limits in most materials. As the fast screening tool for RoHS compliance application, EDX6600D can't be beaten.



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# HTEK INSTRUMENT

## RoHS Compliance Expert

### EDX 6600D



### Simply the best

- RoHS: Restriction of Hazardous Substance  
Pb, Cr, Hg, Br, Cd, Cl, As, Ba, Sb
- WEEE: Waste Electrical and Electronic Equipment



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# RoHS Compliance Expert

## EDX 6600D

### Overview

#### RoHS Compliance and Consumer Safety

The EDX6600D for Consumer/RoHS, a convenient, quick scan XRF analyzer for regulatory compliance programs, provides accurate Pass/Fail results within seconds.

The EDX6600D is a solid and user-friendly X-ray fluorescence (XRF) analyzer optimized for Consumer Product and RoHS regulatory compliance programs. It has a well-lit, extra-large sample chamber, easy operation, integrated camera, and a selectable analysis spot size.

Action levels for Consumer Products and/or RoHS regulations are preprogrammed for rapid Pass/Fail results.



### Comply with Global Regulations

The EDX6600D for Regulatory Programs is a fast, accurate, and cost effective XRF analyzer optimized for analysis of lead (Pb), cadmium (Cd), arsenic (As), mercury (Hg), chromium (Cr) and other toxic elements in metals, plastic, and mixed materials. It provides detection limits that are well within typical regulatory limits in most materials. It provides the ability to test not only at retail locations, but also at loading docks and manufacturing sites to screen imported/exported toys, jewelry, clothing, electronics, and other consumer products before they become a problem.

### Regulatory Compliance Concentration Limits

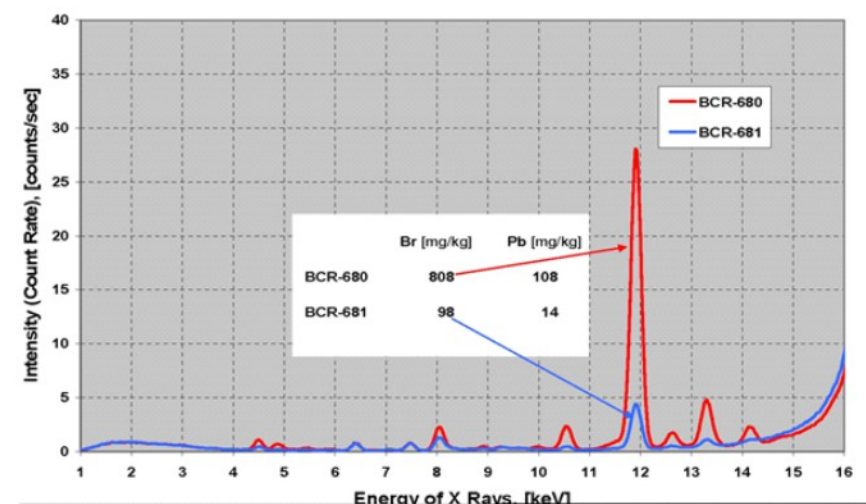
Element	RoHS/WEEE	Consumer/CPSIA
Cd	<100 ppm	N/A
Cr	Cr6+ <1000 ppm	N/A
Hg	<1000 ppm	N/A
Pb	<1000 ppm	<100 ppm
Br	PBB PBDE <1000 ppm	N/A

### Features and Benefits

#### Reliable and Enhanced User Experience

Operation is simple and straightforward. An object is placed directly on the analysis window or, if small, secured in the sample holder/cup to orient it. The chamber door is closed and the operator presses "Start" to acquire results. The small spot collimator is used for very small objects or for small areas on an object. A digital image of the object can be stored and/or sent along with the analytical results directly to a printer in report format.

X-Ray Spectra of Certified Reference Materials



### Benefits

- Fast and nondestructive detection of restricted elements
- Accurate with LODs as low as 1 ppm
- Safe, closed-beam XRF system
- USB interface port for high-speed data export, printing
- Fast, Accurate, Advanced Technology
- 50Watts X-ray tube, 1000  $\mu$ A current (max), plus optimized beam settings for accurate analysis
- Digital multi-channel analyzer delivers fast and reliable results, with seconds
- Smart program that automatically classifies the sample type into Plastic, Iron, Brass, Tin or Aluminum matrix within 3 seconds
- Integrated camera to record analysis images
- Small spot collimation down to 0.5mm for small samples or small areas on a sample
- User friendly and highly intelligent program with factory calibration

### Customized Reports for Certification

The EDX6600D PC reporting software customizes and facilitates immediate report generation, including analysis results, qualitative sample information, spectral information, and sample image. Traceable documentation makes the EDX6600D the ideal tool for a RoHS compliance tool.

### Total Analysis Report

Total Analysis Report					
Sample Name	681K	Test Time	100(s)		
Customer		Voltage	45(KV)		
Operator	Operator	Current	800( $\mu$ A)		
Test Date	2006/1/1 0:00	WorkCurve	PE		
LotNo.		Mode	EDX6600D		
Serial No.					
Element	Intensity	Content(ppm)	Error(ppm)	Results	Limits
Br	0.7597	770.41	4.12	TBD	1000
Cd	0.0929	142.11	1.72	Fail	100
Hg	0.0005	25.31	5.09	Pass	1000
Pb	0.0275	107.37	2.32	Fail	1000
Cr	0.0065	107.35	3.97	TBD	1000
Cl	0.0012	949.4	35.01	Fail	1000

### RoHS Compliance Expert

The EDX6600D provides a fast, highly accurate way to determine toxic metals' levels for quality control purpose. It allows the user to perform an on-the-spot, cost-effective, and completely non-destructive test to check for heavy metals that present in the products.

In addition to Lead, the EDX6600D provides a high level of performance for other heavy metals of interest.