

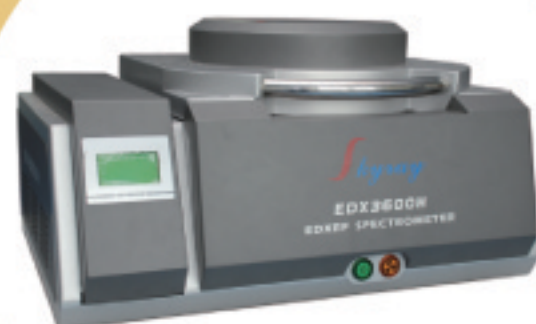
EDX3600H
X-ray Fluorescence Non-halogen

Non-halogen Analysis Expert

Product Introduction

The halogen-free plan with the new round environmental protection tide is the afforested policy which is greatly promoted by International Green and Peaceful Organization and supported by numerous international environmental protection organizations and international large-scale companies. The European Union 2002/95/EC Instruction, "Montreal Protocol", "the Stockholm Treaty" and the board material laws and regulations of National Electrician Committee (IEC) have restricted on the halogen material. And, IEC 61249-2-21 in IEC laws and regulations stipulates that the maximum limit of chlorine, bromine and the overall halogen is: bromine and chlorine is less than 900ppm respectively; (bromine + chlorine) is less than 1500ppm.

Skyray Instrument Inc. specializes in high-performance X-ray Fluorescence Spectrometers in the world. EDX3600H, desktop, Non-halogen analysis spectrometer, introduced in 2009, is of high performance and high-technology halogen testing instrument. The technology, adopting the worldwide leading non-halogen analysis technology, equipped with the best intelligent vacuum system for non-halogen testing and using low energy X-ray to excite light element, thus solve testing problem of chlorine and bromine. The instrument can detect any products containing hazardous substance halogen. In addition, it can be used in all element and RoHS analysis. The instrument is of multi-functional and can meet the international newest standard.



Product Configuration

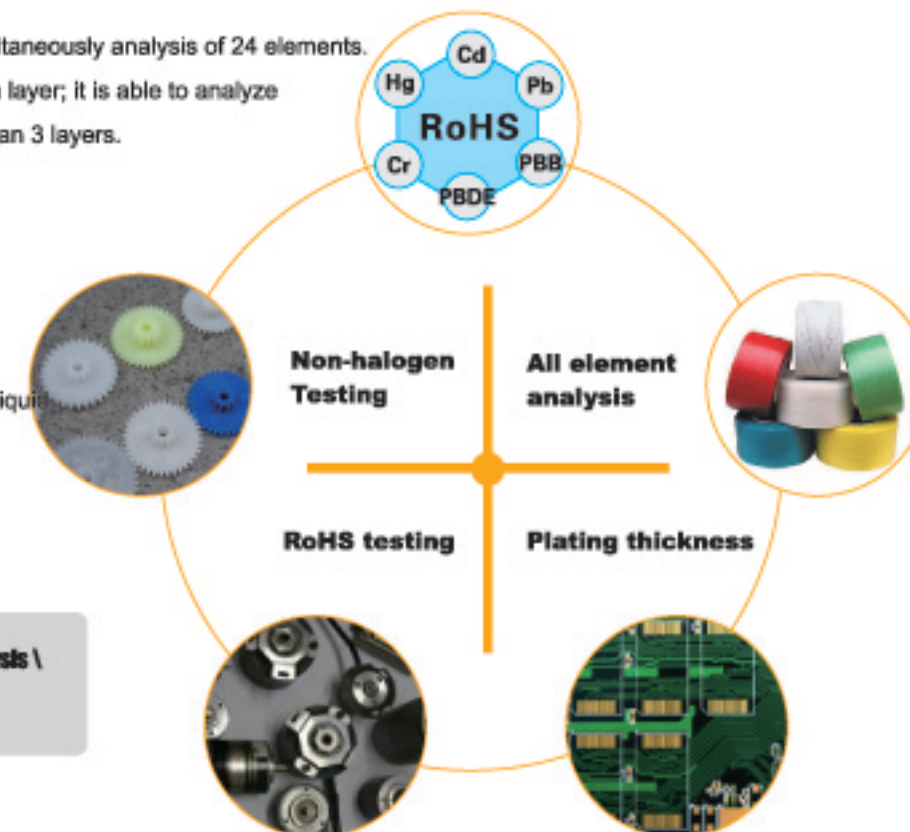
- Halogen testing, X-ray tube of high efficiency.
- S100 detector
- Signal-Noise-Enhancer SNE
- Special accessories for halogen testing
- Light path enhancement system
- High SNR electronic circuit unit
- In-built high resolution CCD
- Automatic collimator and filter switch
- Auto spectrum stabilizer
- Triple safety protection model
- Independent matrix effect correction model
- Multi-variable non-linear regression procedure
- Overall steel support structure
- 90mm*70mm LCD

Product Parameter

Product name: Skyray X-ray fluorescence non-halogen tester
 Consumed power: 200W
 Input power voltage: AC 110V/220V
 Ambient temperature: 15°C-30°C
 Ambient humidity: 35%-70%
 Sample chamber volume: 320mm*100mm
 Outer dimension: 660mm*510mm*350mm
 Weight: 65KG

Technical Specification

- Measurable elements: Na to U
- Element contents: 1ppm-99.99%
- Ability of simultaneous analysis: Simultaneously analysis of 24 elements.
- Plating thickness: up to 0.005um each layer; it is able to analyze plating with more than 3 layers.
- Analysis stability: 0.05%
- Measurement time: 60s-200s
- Energy resolution: (150±5)eV
- Tube voltage: 5KV-50KV
- Tube current: 50uA-1000uA
- Forms of samples: powder, solid and liquid



Application Fields

Non-halogen Testing \ All element analysis \
 RoHS testing \ Plating thickness

Instrument Advantages

- Made in USA, halogen testing, X-ray tube of high efficient; the specification reaches the international advanced level.
- Special accessories are developed for testing halogen element (especially chlorine element)
- S100 detector, excellent energy linearity, energy resolution and energy spectrum characteristics. Higher peak-to-background ratio.
- Skyray instrument patent product- Signal-Noise-Enhancer (SNE) improves the signal processing ability up to 25 times.
- Low energy X-rays are used, delivering good results when exciting light elements such as Cl, Br.
- Intelligent pumping vacuum system; shield air influence and enlarge testing scope.
- Auto spectrum stabilizer ensures the instrument working.
- High SNR electronic circuit unit
- Auto collimator and filter switch, exempt from trouble by manual.
- Spectrum unfolding technology decomposes the spectrum peak; ensuring Cl, Br and other light elements testing have the equal analysis accuracy.
- Multiple linear regression, reducing the inter elemental absorption and enhancement effect
- In-built CCD with high resolution
- LCD makes the important parameter (tube voltage, tube current, vacuum) of the instrument obvious.