

TO BE A WORLD-LEADING ANALYTICAL TESTING SOLUTIONS PROVIDER !

| Rapid | Accurate | Non-destructive |

First Chinese Analysis Instrument Listed Enterprise



- Jiangsu Skyray Instrument Co., Ltd. is a Hi-tech corporation with proprietary intellectual property.
- Our corporation specializes in R&D, manufacturing, sales and services of analytical and measuring instruments in Spectroscopy, chromatography and Mass Spectrometry fields.
- Full product range, provide solutions for environmental protection and safety, industrial testing and analysis, and other fields.
- Our biggest strength is providing tailor-made solutions according to customer's needs.
- We have above 148 distributors and after-service stations throughout the world.
- Skyray Instrument announced its initial public offering in Small and Medium Enterprise Board, Shenzhen Stock Exchange on January 25th, 2011. (Stock code: 300165)

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Test data in this manual, if not noted, is our company's test data.  
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**EDX 6000B**  
**X-ray Fluorescence Spectrometer**  
**Full-element Analysis**

Up to now, there are 99 countries and regions choosing Skyray Instrument

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### EDX 6000B — Full-element Analysis Professor



**Quality gains greatness**  
**Profession creates excellence**



EDX6000B is a high-end configuration energy dispersive XRF spectrometer (EDXRF). It is applied for accurate & rapid elemental analysis for minerals, soils, and blast furnace slag. EDX6000B is equipped with easy operational software, which can highlight all the information a customer will require on one screen, including the measurement time, screen-shot of sample, critical data, and testing results. Besides, in only 10 seconds, operator can know the main elements contained in analytes and soon after complete elemental content information will come out.

#### Performance Advantages:

- Professional full-element analysis of cement, minerals, etc
- Electronic-cooling SDD(Silicon Drift Detector)
- Built-in Signal-to-Noise enhancer, improving the signal processing ability by 25 times
- Sample chamber which can be vacuumed, is used for trace contained light element testing
- Multiple optional identification models
- High-efficient Varian end-window X-ray tube

#### Application Fields :

Minerals, soils, cements



#### Configurations & Specifications:

Measurement principle	EDXRF (Energy Dispersive X-ray Fluorescence)	
Applicable sample type	Solid, liquid, powder	
Measurement range	Na to U	
Detection limit	ppm – 99.99%	
Resolution	140±5eV	
Testing time cost	60-200 Seconds	
Precision	0.05% (content≥96%)	
Dimension	568*325*512mm (W*H*D)	
<b>Key Components</b>		
X-ray light tube	Tube voltage	5kV-50kV
	Tube current	1-1000 μ A
High voltage generator	Maximum voltage	50kV
	Stability	0.001% per 8 hours (temperature: 20℃ ± 0.2℃)
Detector	SDD (Silicon Drift Detector)	
Collimator & Filter	Automatic switch	
Sample chamber	Number of Sample-cup	Automatic switch of ten sample-cups
	Sample observation	CMOS HD camera
	Sample chamber dimensions	260mm(diam)*38mm(height)
	Sample-cup dimensions	44mm(diam)*22mm(height)
	Vacuum Unit	For high-sensitivity analysis of light elements
<b>Software</b>		
Qualitative analysis	Measurement and analysis of measured data	
Quantitative analysis	Calibration curve method	
Utility	1. Monitoring of operating condition of the instrument	
	2. Function of tabulating the results of analysis	
<b>Installation Requirements</b>		
Temperature	15℃~30℃	
Humidity	35%~70%	
Power input	220V (optional: 110V)	

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