

| Small | Lightweight | Portable |



# Cube 100

Portable X-ray Fluorescence Spectrometer

# CUBE 100 XRF



Rapid and accurate XRF Analysis in the lab or on-site with Cube 100 XRF

Skyray Instruments Cube 100 X-Ray Fluorescence Spectrometer combines Desktop XRF Spectrometer performance and accuracy with a convenient portable design. Cube 100 features large high-resolution LCD and new digital signal processor. Small, lightweight and portable, Cube 100 XRF offers fast and reliable elemental analysis on the factory floor or in the field.

## » Application Field

- Precious metals
- RoHS Hazardous substances
- Analysis of Sulfur-Uranium(S-U)



# Cube 100 Portable XRF



## **Portable**

Compact and lightweight design



## **Universal Test Stand**

Convenient test stand allows more flexibility when testing different parts of the sample



## **Built-in camera**

Users can observe samples position at any time thanks to built-in 5 mega-pixels HD camera



## **Automatic collimators**

Automatic collimators and filters make Cube 100 able to analyze different applications and ensure the instrument can meet many testing requirements



## **FP Software**

Cube 100 XRF analyzer comes with our newest software which simplifies user training and operation. Easy-to-use interface allows anyone to operate the instrument thanks to one key intelligent testing and workcurve automatching



## » Technical Specifications

Measurable elements	S to U
Sample types	solid, powder
Element analysis range	1ppm—99.99%
Simultaneous analysis capability of elements	
Multi-optional analysis and identification models	
Mutually independent matrix effect correction model	
Multivariable nonlinear regression program	
Analysis Accuracy	0.05% (content $\geq$ 96%)
Ambient temperature	15°C—30°C
Operation Humidity	$\leq$ 70%
Power input	110V AC 220V AC
Sample chamber dimension	150*150*100mm
Instrument dimension	212*258*258mm
Net weight	5kg

## » Configuration

Si-pin Detector or SDD detector (optional)	
X ray tube	40kV、100uA
Collimators	Auto switch of $\Phi$ 1mm、 $\Phi$ 2mm & $\Phi$ 4mm
Filter types	Al, Ti, Cu
Bottom light system	
High definition & resolution 5 inch PDA. Flexible & easy operation of software installed in the Windows CE Microsoft system, which supports for PDA system upgrades and software upgrades.	
Light indications	power and radiation lights.
Protection system	High voltage auto switch-off while cover is opened
Samples are placed on universal test stand. Samples can be placed arbitrarily.	
Report output	WiFi printer (optional)
Safety packing box Size	400*300*350mm
Weight	4.5kg

# Skyray Instruments



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Spectroscopy

Chromatography

Mass Spectrometry

Skyray Instruments specializes in the R&D, manufacturing and sales of analytical and measuring instruments in Spectroscopy, Chromatography and Mass Spectroscopy fields. Our Products include X-ray Fluorescence Spectrometry, Atomic Absorption Spectrometry, Gas Chromatography, Inductively Coupled Plasma Spectrometry, Mass Spectrometry and many others.

Skyray has been providing customers around the world with reliable and affordable Scientific Instruments for more than 20 years