

DF-1000E XRF



Introduction

- 1) Elemental analysis: Na-U; concentration range: ppm~99.99%.
- 2) Lossless analysis extends the life of samples.
- 3) Auto-mechatronic design; user-friendly operating interface.
- 4) Temperature control system enhances its adaptability to temperature fluctuation of working environment.
- 5) Samples will be melted or pressed based on your analytical needs.
- 6) Solid FAST-SDD detector enables faster analysis, accurate results and high

stability.

7) User-friendly operational software with multiple language versions under WINDOWS operating system. Relevant help menus are available for different operators for different purposes.

8) A built-in parameters can help the making of your own work curves much easier.

Specifications

excitation system	voltage	6kV-50kV
	max power	50W
	X-ray tube type	side-window
	target material	Rh, Ag, W, Mo, Pd, Ti,etc.
	parameter settings	integrated and adjustable filament power with consistent and adjustable voltage and current; protection for over electrical force and current
	excitation source	low ripple , high stability
sample feeding system	method	auto control the switch of sample chamber
	quantity	samples are placed one at a time
	protection	a special protection device is in place to ensure safety
detection system	the latest FAST-SDD detector from AMPTEK, US	
	user-friendly with high resolution, count-rate, stability and compatibility	
	super-thin Be window that can define the peak of Na	
auto light collimation and filtration system	shaft-driven fan embedded with four filters	
auto control system	advanced anti-jamming chip	
	highly-reliable driver circuit	
	highly-precise A/D converter	
others	application	refractory materials, cement, glass, nonferrous metals, steel smelting, thermal insulation material, ceramics, metals and non-metal ores
	sample state	powder, solid, liquid
	advantages	high stability, low LOD, full wavelength and lossless analysis

DFAIC[®]
S p e c t r o m e t e r

	dimensions(mm)	540*530*910
	environmental requirement	T 5°C-30°C H 20%-80%
	weight	55KG(net) 85KG(gross)
	V/F	AC220V±10%/50Hz
	power	max 3KVA standby 0.5KVA