

DF-1000 XRF



Introduction

- 1) Elemental analysis: F-U; concentration range: ppm~100%
- 2) Its detector and X-ray tube are placed above samples, which spares maintenance

Mobile(Whatsapp): +8615853509552 Fax: +86-0535-8206988
Add: No.28 Chuangxin Road, High-tech Zone, Yantai, Shandong



for damage due to fall of samples.

- 3) Servomotor-driven sample feeding system, ensuring the consistency of good performance.
- 4) Lossless analysis extends the life of samples.
- 5) Auto-mechatronic design; user-friendly operating interface.
- 6) Eight samples can be placed simultaneously and analyzed one by one automatically.
- 7) X-ray radiation is shielded
- 8) Temperature control system enhances its adaptability to temperature fluctuation of working environment.
- 9) Samples will be melted or pressed based on your analytical needs. Custom SDD detector with high count rate and super-thin window can make over 10 times deeper and fast analysis for light elements including Na, with high accuracy and stability.
- 10) User-friendly operational software with multiple language versions under WINDOWS operating system.
- 11) A flexible analytical software supports elemental display of all kinds. The display of the name and order of elemental oxides can also be made happen through this software.
- 12) 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 and end-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	servo motors and stepper motors
	quantity	8 samples can be placed at one time and analyzed one by one
	protection	a special protection device is in place to ensure safety
detection system	the latest VITUS-SDD detector from Germany	

	user-friendly with high resolution, high count-rate, high stability and high compatibility	
	super-thin C window can define the peak of F	
auto light collimation and filtration system	shaft-driven fan embedded with six filters	
auto control system	advanced anti-interference 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
	dimensions(mm)	900*550*1120
	environmental requirement	T 5°C-30°C H 20%-80%
	weight	115KG(net) 145KG(gross)
	V/F	AC220V±10%/50Hz
	power	max 3KVA standby 0.8KVA