DFAIC®
Spectrometer

DF-2000 handheld XRF

Introduction

1) Brand new design; optimized distance between samples, X-ray tube and detector; light elements' signal 20% stronger
2) Over 1/2 aluminium-alloy containing shell with good heat dissipation, extending X-ray tube's life, delivering more stable results and enhancing good performance.
3) No standardization is a must but an option when turned on.
4) DF-2000 is designed for a long-term usage thanks to its durability from the combination of aluminium alloy and plastic which provides good hand feel.

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5) It can stand firmly on table on its own. Pull one trigger for all functions.
6) An industrial-level resistive touchscreen is integrated into the main body, immune to outer harsh work environment.
7) Real-time analysis is truly achievable by displaying the concentrations and names of relevant elements, accurate and lossless.
8) Available for various alloy forms: pieces, sheets, lines, bits, powder and other irregular forms
9) On-site addition, edition and removal of elements. No computer is needed to help update its database. Feel free to check detailed info of any elements.
10) 8s of analysis and 4s of delivering results
11)Large icon; on-screen display; Linux system

Specifications

model	DF2000A	DF2000B
dimensions(mm)	250*80*250	
weight	1.5Kg	
material	alloy	
X-ray tube targets	Rh, Au, W	
X-ray tube V/A	50kV/200μA	
power	4W	
stability	0.2%/8h	
detector	AMPTEK	
cooling system	Peltier	
resolution	123ev	145ev
standardization	no need	
heat dissipation	A shell made up of over 1/2 aluminium alloy is good at heat dissipation, extending X-ray tube's life, delivering more stable results and enhancing good performance.	
screen	4.3 inch industrial-level resistive touchscreen	
data processing system	A11 main board, 16-bit A/D converter, 8 cores 64-bit CortexA53 structure, 1.4GHz processor, 4G RAM, 32G storage	
operating system	Linux	
modeling method	fundamental parameter method	
elemental range	Mg-U	Ti-U
concentration range	ppm-99.99%	
	300 megapixel camera, USB, easy switch between data and spectrogram. When "data" is chosen, every second will be used to	

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	calculate data. Users can adjust analytical time based on what data precision they want to obtain.
work environment	T -10℃-40℃ RH ≤80%

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