

Flame Photometer



Application Fields:



Clinical Medical Testing



Agriculture and Soil Analysis



Food and Beverage Industry

Introduction:

It is an analytical instrument based on the principle of emission spectroscopy. It uses the thermal energy of flame to excite a certain element to emit light to analyze the content of a certain element in a substance. It is widely used in the analysis and determination of agricultural fertilizers, soil, cement, ceramics and silicate industries, as well as pathological research in medical care.

Features:

- * Compact size, easy operation, stable and reliable.
- * Equipped with a 7.0-inch color touchscreen with user-friendly interface design for simple and convenient operation.
- * Features one-touch ignition, backlit buttons, gas leakage alarm, flame-out detection, and automatic gas cutoff function.
- * Can store up to 20 calibration curve equations and can automatically calculate the correlation coefficient.
- * With USB communication port
- * Optional built-in printer and professional data processing software.

Technical Parameters:

Model	BK-FP6410B	BK-FP6430B	BK-FP6431B	BK-FP6432B	BK-FP6440B
Test Element	K/Na	K/Na/Li	K/Na/Ca	K/Na/Ba	K/Na/Li/Ca
Channel Qty.	2	3	3	3	4
LOD(ppm)	K	≤0.156	≤0.156	≤0.156	≤0.156
	Na	≤0.184	≤0.184	≤0.184	≤0.184
	Li	/	≤0.104	/	≤0.104
	Ca	/	/	≤2.004	≤2.004
	Ba	/	/	≤6.043	/
Linear Error(ppm)	K	≤0.195	≤0.195	≤0.195	≤0.195
	Na	≤0.69	≤0.69	≤0.69	≤0.69
	Li	/	≤0.146	/	≤0.146
	Ca	/	/	≤3.006	≤3.006
	Ba	/	/	≤9.064	/
Test Range(ppm)	K	0.15~100	0.15~100	0.15~100	0.15~100
	Na	0.18~100	0.18~100	0.18~100	0.18~100
	Li	/	0.1~30	/	0.1~30
	Ca	/	/	0.1~1000	0.1~1000
	Ba	/	/	0.1~300	/
Response Time	<8s				
Sample Uptake	<4ml/min				
Stability	≤3%(15s), ≤15%(6min)				
Reproducibility	3%				
Air Compressor	External				
Printer	Optional built-in thermal printer				
Com	USB				
Fuel	LPG				
Standard Accessories	LPG reducing valve Stainless steel bellows for LPG Silica gel tubing for waste liquid PU tubing for air Air compressor				
Optional Accessories	FP atomizer Built-in thermal printer Software(No charge)				
Consumption	30W				
Power Supply	AC 110/220V, 50/60Hz				
Working Conditions	Ambient temperature: 10~35℃ Relative humidity: ≤85%				
External Size(W*D*H)	425*310*437mm				
Package Size(W*D*H)	Main unit: 634*364*337mm Air compressor: 350*185*345mm				
Net Weight	10kg				
Gross Weight	Main unit: 12kg Air compressor: 5.3kg				