

Flame Photometer

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	BK-FP6450B
Test Element	K/Na	K/Na/Li	K/Na/Ca	K/Na/Ba	K/Na/Li/Ca	K/Na/Li/Ca/Ba
Channel Qty.	2	3	3	3	4	5
LOD(ppm)	K	≤0.156	≤0.156	≤0.156	≤0.156	≤0.156
	Na	≤0.184	≤0.184	≤0.184	≤0.184	≤0.184
	Li	/	≤0.104	/	≤0.104	≤0.104
	Ca	/	/	≤2.004	/	≤2.004
	Ba	/	/	/	≤6.043	≤6.043
Linear Error(ppm)	K	≤0.195	≤0.195	≤0.195	≤0.195	≤0.195
	Na	≤0.69	≤0.69	≤0.69	≤0.69	≤0.69
	Li	/	≤0.146	/	≤0.146	≤0.146
	Ca	/	/	≤3.006	/	≤3.006
	Ba	/	/	≤9.064	/	≤9.064
Test Range(ppm)	K	0.15~100	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	0.18~100
	Li	/	0.1~30	/	0.1~30	0.1~30
	Ca	/	/	0.1~1000	/	0.1~1000
	Ba	/	/	0.1~300	/	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(110/220V, 50/60Hz)					
Optional Accessories	FP atomizer					
	Built-in thermal printer					
	Software(No charge)					
Consumption	30W					
Power Supply	AC 100~240V, 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					

Flame Spectrophotometer

Application:

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:

- * One-touch ignition, easy operation. 7-inch color touch LCD capacitive screen, intuitive reading.
- * Element concentration reading function, automatic correlation coefficient calculation function (excluding BK-FP640).
- * Can store 20 sets of standard curves and 20 sets of test data. Use LPG as gas.
- * Direct reading of gas flow is adjustable. Gas leak alarm, automatic gas cut-off function.
- * Accidental flameout, automatic shutdown protection. Multiple language support.
- * With USB communication port, can be directly connected to the computer for convenient data analysis.
- * Optional built-in printer and professional data processing software.
- * Detection range screen switching function (depending on the specific model).



Technical Parameters:

Model	BK-FP6450	BK-FP6440	BK-FP6431	BK-FP6430	BK-FP6410	BK-FP640
Test element	K/ Na/ Li/ Ca/ Ba	K/ Na/ Li/ Ca	K/ Na/ Ca	K/ Na/ Li	K/ Na	K/ Na
Channel Qty.	5	4	3		2	
LOD (ppm)	K	≤0.156				
	Na	≤0.184				
	Li	≤0.1035	/	≤0.1035	/	/
	Ca	≤2		/	/	/
	Ba	≤6.028	/	/	/	/
Linear Error (ppm)	K	≤0.195				
	Na	≤0.69				
	Li	≤0.1449	/	≤0.1449	/	/
	Ca	≤3		/	/	/
	Ba	≤9.402	/	/	/	/
Test Range (ppm)	K	0.15-100				
	Na	0.18-100				
	Li	0.1-30	/	0.1-30	/	/
	Ca	0.1-1000		/	/	/
	Ba	0.1-300	/	/	/	/
Response time	8s					
Sample uptake	<3ml/ min					
Stability	≤3%(15s), ≤15%(6min)					
Reproducibility	≤2%					
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					
Power	AC 110/220V, 50/60Hz					
Package Size(W*D*H)	570*530*400mm					
Gross Weight	18kg					