

## 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
	Ca	/	/	≤2.004	/	≤2.004
	Ba	/	/	/	≤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
	Ca	/	/	≤3.006	/	≤3.006
	Ba	/	/	/	≤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
	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°C 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					
	FP Atomizer, Built-in Thermal printer, Software					
Power	AC 110/220V, 50/60Hz					
Package Size(W*D*H)	570*530*400mm					
Gross Weight	18kg					