

### UV/VIS Spectrophotometer Accessories

 1cm standard single slot cuvette holder	 Long optical path cuvette holder	 Cuvette	 Micro cuvette
 Test tube type absorber rack	 Solid sample holder	 Deuterium lamp	 Tungsten lamp
 Quadruple cuvette holder	 Printer	 Four-slot water bath type constant temperature absorption pool	 Reflection accessories
 8 racks	 X-Y Adjustable Micro Absorption Pool	 Single bath type constant temperature absorption pool	 Program-controlled thermostatic absorption pool seat

### 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		/	/	/
Linear Error (ppm)	Ba	≤6.028	/	/	/	/
	K	≤0.195				
	Na	≤0.69				
	Li	≤0.1449	/	≤0.1449	/	/
Test Range (ppm)	Ca	≤3		/	/	/
	Ba	≤9.402	/	/	/	/
	K	0.15-100				
	Na	0.18-100				
Response time	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	AC220V±10%,50/60Hz or AC110V±10%,50/60Hz					
Packing Size	570*530*400mm					
Gross Weight	18kg					