



FLAME PHOTOMETER

FLAME PHOTOMETER BLFP-501

FLAME PHOTOMETER

Flame Photometer is a simple quantitative analytical test based on flame analysis. It is based on the principle of measurement of the emitted light intensity of a metal due to the thermal energy provided by the flame source. The wavelength and the colour of the flame gives details about the element present in the sample, whereas the wavelength of emitted light is specific for specific elements. By direct absorption techniques, the absorbance of light due to the electrons excitation can be measured while the emitting radiation intensity is measured using the emission techniques.



It meets the requirements of medical clinical test in addition to new added functions of testing high connected K and Na it has the detection function of Li salt taken by the mental patients.

Many new technology, new material are used by the equipment.

Liquid crystal display, Menu-prompted, curve saving, flame-out protection device, external printout and so on.

These all build on superior flushbonding single-chip computer circuitry.

Bring RS232 interface, can be connected with computer.

SPECIFICATIONS

Model	BLFP-501
Weight (Net/Gross)	35 kg
Measurement Range	K: 0~10 mmol/L; Na: 0~200 mmol/L
Repetitiveness	(GV%): K: 1.5% (5mmol/L or 50mmol/L); Na: 1.0% (140mmol/L)
Linearity Error	K: 2%; Na: 2%; within 8s
Solution Consumption	4 ml/min extinguishing tester; automatic disconnection gas function
Dimension (LxWxH)	58x38x33 cm
Alt Name	Flame Photometer

APPLICATIONS

Pharmaceutical Industry, Beverage Industry, Food Industry, Environmental Analysis, Chemical Industry, Cement Industry

FLAME PHOTOMETER BLFP-502

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A lot of new technology and new materials are adopted. Features such as LCD display, menu-type instruction operation, curve storage, flameout protector and outside printout are enabled by the application of top grade embedded mono-chip Computer circuit.

The instrument should be placed horizontally, avoiding direct sunshine radiation. There is no disturbance of strong electromagnetic field or vibration. Fire extinguishing device should be equipped in the application field and good aeration should be guaranteed.

LCD display, menu-type instruction operation, curve storage, flameout protector and outside printout are enabled by the application of top grade embedded mono-chip.

SPECIFICATIONS

Model	BLFP-502
Power Supply	AC220V $\pm$ 22V, frequency 50 Hz $\pm$ 1 Hz, with good grounding
Range	K: 0~999.9, Na: 0~999.9, Li: 0~999.9
Sensitivity	K: 0.2 μ g/mL, Na: 0.2 μ g/mL
Linearity	K: 0.2 μ g/mL, Na: 0.7 μ g/mL
Drift	Less than 3% within 15s
Reproducibility	3%
Aspiration Rate	<6 mL/min
Fuel Supply	L.P.G.
Environmental Temperature	10°C - 3°C
Relative Humidity	$\leq$ 85/100
Alt Name	Flame Photometer

FEATURES

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Computer circuit.

APPLICATIONS

Pharmaceutical Industry, Beverage Industry, Food Industry, Environmental Analysis, Chemical Industry, Cement Industry

FLAME PHOTOMETER BFU-6401 TO BFU-6405

FLAME PHOTOMETER



1. 7-inch color touch screen
2. Direct reading of concentration
3. Flameout protection device
4. Automatic calculation of correlation coefficients

SPECIFICATIONS

Model	BFU-6401	BFU-6402	BFU-6403
Display	7-inch color touch screen		
Display Results	Concentration value/Energy		
Reading Range	0.000~999.9/0~65535		
Testable	K, Na, Li, Ca, Ba	K, Na, Li, Ca	K, Na, Ba
Channel Qty	5	4	3
Range ppm K	0-100		
Range ppm Na	0-160		
Range ppm Li	0-100		--
Range ppm Ca	0-1000		--
Range ppm Ba	0-3000	--	0-3000
Detection Limit ppm K	0.01		
Detection Limit ppm Na	0.01		
Detection Limit ppm Li	0.1	≤0.015	--
Detection Limit ppm Ca	2		--
Detection Limit ppm Ba	6	--	6
Linear Error K	0.195		
Linear Error Na	0.69		
Linear Error Li	0.15		--
Linear Error Ca	3		--
Linear Error Ba	9	--	9
Response Time	<8S		
Sample Uptake	<6ml/min		
Stability	<3% drift over 15s when continuous sampling		
Reproducibility	<3% coefficient of variation for 7 consecutive samples		
Bluetooth Printer	Yes		
Output	USB port		
Power	AC 220V/50Hz or AC 110V/60Hz		
Alt Name	Flame Photometer		
Model	BFU-6404	BFU-6405	
Display	7-inch color touch screen		
Display Results	Concentration value/Energy		

Reading Range	0.000~999.9/0~65535	
Testable	K, Na, Ca	K, Na, Li
Channel Qty	3	
Range ppm K	0-100	
Range ppm Na	0-160	
Range ppm Li	--	0-100
Range ppm Ca	0-1000	--
Range ppm Ba	--	
Detection Limit ppm K	0.01	
Detection Limit ppm Na	0.01	
Detection Limit ppm Li	--	≤0.015
Detection Limit ppm Ca	2	--
Detection Limit ppm Ba	--	
Linear Error K	0.195	
Linear Error Na	0.69	
Linear Error Li	--	0.15
Linear Error Ca	3	--
Linear Error Ba	--	
Response Time	<8S	
Sample Uptake	<6ml/min	
Stability	<3% drift over 15s when continuous sampling	
Reproducibility	<3% coefficient of variation for 7 consecutive samples	
Bluetooth Printer	Yes	
Output	USB port	
Power	AC 220V/50Hz or AC 110V/60Hz	
Alt Name	Flame Photometer	



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com