Flame Photometer FP Series

Our Flame Photometer is used for analyzing & measuring the content & concentration of elements "K,Na, Li,Ca,Ba".It can be widely applied to agriculture (soil,fertilizer,and tobacco),industry(cement,glass,ceramics,mineral or ore powder, fireproof material),food (wine,water),laboratory,clinical experiments and pathology research (serum,urine,and plasma), etc.





Features and Advantages:

- With K,Na,Li,Ca,Ba five filters, which can detect three kinds of elements.
- LCD Screen display,touch panel with numeric keypad.
- With auto correlation coefficient calculating function.
- With ore-select function for flame size.
- A flame-out protection device.
- with single point calibration function.
- Calibration curve can be saved.
- With RS232 interface, can connect with external printer.
- with a mist separator.
- Easy adjustable Relief valve, direct view of pressure gauge.
- LPG Burning Gas

Technical Specifications

Measurement Range	K: 0-100ppm, Na: 0-160ppm, Li: 0-100ppm, Ca: 0-1000ppm, Ba: 0-3000ppm
Display	LCD Display, display show the concentration value. Display range: 0.000~999.9
Elements Dispaly Channels	Max. 3 channels
Display Range (ug/ml)	Potassium:0-100, sodium: 0-160, lithium: 0-100, calcium: 0-1000, barium: 0-3000
Response Time	<8 seconds
Minimum Suction Volume	< 6mL/min
Repeatability	Repeat 7 consecutive independent measurements on the same standard solution ≤ 3%
Stability	The biggest change in the relative volume in 15s: ≤3%
Linear Error	K:0.2ppm, Na:0.5ppm, Li:0.1ppm, Ca:2ppm, Ba:8ppm.
Min. Detection Limit	K:0.1ppm, Na:0.1ppm, Li:0.1ppm, Ca:2ppm, Ba:8ppm.
Curve Calibration	Straight-line method; Polygon method; Quadratic fit.
Linearity	Better than the best results of the intermediate value of 2% (single-point CAL)
Standard Accessories	Air-compress & Micro-printer for all models
Optional Accessories	PC Software
Packing Size	74x40x55 cm (carton box)
Gross Weight	27 kg (carton box)

Model	FP8201-A	FP8201-B
Display	LCD display	
Range	K: 0-100ppm, Na: 0-160ppm	
Stability	The biggest change in the relative volume in 15s: ≤3%	
Linear Error	K: 0.2ppm Na: 0.5ppm	
Min. Detection limit	K: 0.1ppm Na: 0.1ppm	
Curve calibration	Straight-line method, Polygon method; 2-points calibrate.	Straight-line method, Polygon method; 1-10 points calibrate.
Linearity	Better than the best results of the intermediate value of 2% (single-point CAL)	
Standand Accessory	Air Compressor	
Optional Accessory	Micro-printer	

2 Elements	
Model	Elements
FP8201	K, NA
FP8202	K, LI
FP8203	K, BA
FP8204	K, CA
FP8205	NA,LI
FP8206	NA,CA
FP8207	NA,BA
FP8208	LI,CA
FP8209	LI,BA
FP8210	CA,BA

3 Elements	
Model	Elements
FP8301	K, NA,LI
FP8302	K, NA, CA
FP8303	K, NA, BA
FP8304	NA,LI,CA
FP8305	NA,LI,BA
FP8306	LI, CA, BA.

4 Elements	
Model	Elements
FP8401	K, NA,LI,CA
FP8402	K, NA, LI, BA
FP8403	NA,LI,CA,BA
5 Elements	
Model	Elements
FP8501	K, NA,LI, CA,BA