



Flame Photometer

A Flame Photometer is used to measure the concentration of metal ions in test materials, like K, Na, Li, Ca and Ba. It can be widely used in agriculture, mineral extraction, food, Chemical composites, pathology research, clinical and pharmaceutical sample analysis, etc. Our flame photometers are perfect for accurate and reliable metal ion analysis because of their professional and user-friendly design.



COMPANY PROFILE

Our Promise

Respond to customers and provide solutions in 8 hours.

Our Mission

Provide high quality products and services.

Our Vision

To be a well-known brand for analytical instruments.

PEAK Instruments Inc is located in Houston, TX-77084, where our head office and warehouse are also located, which is a high tech enterprise integrated with R&D, production, sales and service of spectrophotometer, pH meter, conductivity meter, dissolved oxygen meter, ion meter and balances, which have wide applications in the following areas like metallurgy, pharmacy, food, health, institutes, biological chemistry, life science, petrochemical industry, quality control, environmental protection, electrochemistry and water quality analysis, etc..

We have professional teams of management, R&D, production, QC, sales and technical support, which guarantee good quality products, competitive prices and efficient service for global customers. We have CE and ISO9001 certificates. We continuously absorb new ideas and technologies to improve our products and services in accordance with the concept of innovation, quality and service.

We have steady growth and good reputation in the markets of more than 95 countries, like USA, Argentina, Italy, Germany, Spain, Russia, Korea, India, Indonesia and Egypt.



Flame Photometer



Pressure Gauge



Display



Switch Button

Main Features

- 7 inch easy-to-use capacitive touch screen.
- Direct reading concentration of Na, K, Li, Ca, Ba.
- Flameout protection system ensures your safety.
- Automatic calculation of test sample correlation.
- Flame optimization provides good quality control.
- USB port for data transfer in addition to touchscreen display.
- Single point calibration at maximum concentration.
- LPG burning gas and standard air filter in the device.
- Standard air compressor maintains steady flame conditions.
- Options to choose various concentration units.

Specifications



Model	FP7500	FP7400	FP7303	FP7302	FP7301	FP7202	FP7201
Display	7-inch capacitive touchscreen						
Readings	Concentration value/Energy						
Range	0.000-999.9/0-65535						
Elements Analyzed	K, Na, Li, Ca, Ba	K, Na, Li, Ca	K, Na, Ba	K, Na, Ca	K, Na, Li	K, Na	K, Na
Channels	5	4	3	3	3	2	2
Measuring Range(ppm)	K	0-100	0-100	0-100	0-100	0-100	0-100
	Na	0-160	0-160	0-160	0-160	0-160	0-160
	Li	0-100	0-100	—	—	0-100	—
	Ca	0-1000	0-1000	—	0-1000	—	—
	Ba	0-3000	—	0-3000	—	—	—
Detection Limit (mmol/L)	K	≤0.004	≤0.004	≤0.004	≤0.004	≤0.004	≤0.004
	Na	≤0.008	≤0.008	≤0.008	≤0.008	≤0.008	≤0.008
	Li	≤0.015	≤0.015	—	—	≤0.015	—
	Ca	≤0.050	≤0.050	—	≤0.050	—	—
	Ba	≤0.044	—	≤0.044	—	—	—
Linearity Error (mmol/L)	K	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005
	Na	≤0.03	≤0.03	≤0.03	≤0.03	≤0.03	≤0.03
	Li	≤0.021	≤0.021	—	—	≤0.021	—
	Ca	≤0.075	≤0.075	—	≤0.075	—	—
	Ba	≤0.066	—	≤0.066	—	—	—
Response Time	<8S						
Aspiration Rate	<6ml/min						
Stability	≤3% drift within 15s						
Reproducibility	≤3%						
Calibration Curve	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Printer	Yes	Yes	Yes	Yes	Yes	Yes	No
Fuel Supply	LPG						
Output	USB port						
Power Supply	AC 220V/50Hz or AC 110V/60Hz						
Packing Size	71*38*52cm/20kg						

Packing list

NO.	Description	Qty	No.	Description	Qty
1	Main unit	1 unit	9	Air compressor	1 unit
2	User Manual	1 copy	10	Observation window lid	1 pc
3	Drainage tube	1.5 m	11	Binding tie	2 pcs
4	Acupuncture needle(0.35*75mm)	2 pcs	12	PU tube for air	5 m
5	PRV for LPG	1 pc	13	Stainless steel clamp	2 pcs
6	LPG tube(orange)	2 m	14	Thermal printer(Bluetooth)	1 unit
7	Glass cylinder for flame	1 pc	15	Power cable	1 pc
8	Chimney	1 pc			



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