

FLAME PHOTOMETER



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Flame Photometer is a simple quantitative analytical test based on the flame analysis. It is based on 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. Used in Pharmaceutical Industry, Beverage Industry, Food Industry, Environmental Analysis, Chemical Industry, Cement Industry.

Also known as Laboratory Flame Photometer, Flame Emission Spectroscopy.

SPE31-200 FLAME PHOTOMETER

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, Menue-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	SPE31-200
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%(140 mmol /L)
Linearity Error	K:2% Na:2%: within 8s
Solution Consumption	4 ml /min extinguishing tester.automatic disconnection gas function
Dimension (LXWXH)	58x38x33 cm

SPE31-999 FLAME PHOTOMETER

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.

Computer circuit.



SPECIFICATIONS

Model	SPE31-999
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 $^{\circ}$ C - 3 $^{\circ}$ C
Relative Humidity	\leq 85/100

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