

Cole-Parmer® PFP7 Economical Flame Photometer

Cole-Parmer®

Use this economical flame photometer for routine determinations of sodium and potassium in industrial and educational applications. This easy to maintain unit gives you fast and accurate results.

- Comes with one each of Na⁺, K⁺, Li⁺, Ca⁺, and Ba⁺ filters, two meters each of gas and air tubing, and necessary fittings
- For safety, an automatic gas shutoff mechanism activates if the flame becomes accidentally extinguished
- Air supply (required): 6L/min at 14psi; oil and moisture free
- Fuel supply: high grade propane/butane, or propane/butane mixture regulated at approximately 0.36psi; natural gas at 3 to 10" W.G.
- See the SLS website for accessories, including filters and reagents



Specifications	
Measuring Range, ppm	0 – 199.9
Sensitivity, ppm	Na ⁺ and K ⁺ filters: 3 – 100
	Ca ⁺ and Li ⁺ filters: 5 – 100
	Ba ⁺ filter: 100 – 200
Specificity	<0.5% interference when concentrations are equal to test sample concentrations
Reproducibility	Better than ±1% C.V.
Linearity	Better than ±2%
Aspiration Rate, mL/min	2 – 6
Reading Stabilisation	Approximately 8 seconds
Recorder Output, mV	100

Code	Alt Ref	Model	Dims, w x d x h, mm	Price
FLA1000	500 701	PFP7	420 x 360 x 300	£3431.00

Cole-Parmer® PFP7/C Analytical Flame Photometer

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Low temperature, single channel flame photometer, designed for routine determinations of sodium, potassium, and lithium. The unit features a flame failure safety system and a built in lineariser circuitry which allows readings of both sodium and potassium to be displayed directly in mmol/litre.

- Designed for research and analytical applications
- Automatic flame failure detection for user safety
- Built in lineariser circuitry
- Air supply (required): 6L/min at 14psi; oil and moisture free
- Fuel supply: propane, butane, natural gas and liquefied petroleum gas
- Includes Na, K, and Li filters, connecting hoses and clips, compressor plug, drain trap, and fuses
- See the SLS website for accessories, including filters and reagents



Specifications	
Measuring Range, mmol/L	Na: 120 – 160
	K: 0 – 10.0
Specificity	Interference from Na/K and Li equal in concentration to test elements will be <0.5%
Linearity	<2% error when 3ppm Na/K and 5ppm Li are set to read 100
Reproducibility	<1% coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50
Reading Stabilisation	<2% drift over 5 minutes when continuously aspirating 10ppm sample

Code	Alt Ref	Model	Dims, w x d x h, mm	Price
FLA1010	500 801	PFP7/C	420 x 360 x 300	£4105.00