

Flame photometers

JENWAY

Flame photometer

The Jenway Models PFP7 and PFP7/C are low temperature, single channel flame photometers, designed for the routine determinations of Sodium (Na) and Potassium (K), Lithium (Li), Barium (Ba) and Calcium (Ca).

Both instruments are fitted with automatic flame failure detection for user safety, making them ideal for use in clinical, industrial and educational applications.

- Fitted with Na, K, Li, Ca & Ba filters
- Electronic flame failure detection
- Fine and coarse sensitivity controls
- Operates on Propane, Butane, Natural gas or L.P.G. supplies
- Recorder output
- Economically priced
- Easily maintained



FP/250

Technical specifications

Model	PFP7	PFP7/C
Ranges:	0-199.9ppm	120-160mmol/l Na (linearised) 0-10.0mmol/l K
Limits of detection:	Na ≤ 0.2ppm K ≤ 0.2ppm Li ≤ 0.25ppm Ca ≤ 15ppm Ba ≤ 30ppm	Li ≤ 0.25ppm Ca ≤ 15ppm Ba ≤ 30ppm

Common specifications

Reproducibility:	1% Coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50
Linearity:	Better than 2% when concentration of 3ppm Na and K and 5ppm Li are set to read 100
Specificity:	Interference from Na, K and Li equal in concentration to test element will be <0.5%
Recorder o/p:	Nominal 1.00V for a reading of 100.0
Services:	
Electrical:	90-125V or 190-250V @ 50/60Hz
Air:	Moisture and oil free 6 litre/minute ~ 1kg/cm ² (14psi)
Fuel:	Propane, Butane, Natural Gas or L.P.G.
Size:	420 x 360 x 300mm
Weight:	8kg

Cat. No.	Code	Description
FP/25102	500 701	Flame photometer model PFP7
FP/25104	500 801	Flame photometer model PFP7/C
Optional accessories		
FP/25006	535 001	Air compressor (220V 50Hz)
FP/25008	535 002	Air compressor (110V 60Hz)
FP/25010	037 001	Diluter
FP/25018	500 178	Butane regulator
FP/25020	500 179	Propane regulator
FP/25022	500 180	Natural gas regulator
FP/25024	500 176	Water separator
FP/25026	500 177	Water separator large
FP/25028	500 134	Dust cover
FP/25030	025 171	Cleaning solution (1 litre)
FP/25032	500 172	Minor spares kit
FP/25034	500 173	Major spares kit

Cat. No.	Code	Description
Reagents – Clinical standards		
FP/21002	025 008	1.00mmol/l Li (500ml)
FP/21004	025 004	100mmo/l Na/K (500ml)
FP/21006	025 006	140mmol/l Na 5mmol/l K (500ml)
FP/21008	025 007	120mmol/l Na 2mmol/l K (500ml)
FP/21010	025 005	160mmol/l Na 8mmol/l K (500ml)
FP/21012	025 027	160mmol/l Na 80mmol/l K (500ml)
Reagents – Industrial standards		
FP/21014	025 023	1000ppm K (500ml)
FP/21016	025 024	1000ppm Li (500ml)
FP/21018	025 025	3000ppm Ba (500ml)
FP/21020	025 021	1000ppm Na (500ml)
FP/21022	025 009	1000ppm Ca (500ml)
Note: The instrument will only operate with the correct type of air compressor and gas regulator		