



JENWAY

Flame Photometers

Flame photometry is the only accurate analytical method for determining certain ions concentrations and the Jenway instruments are the ideal, low cost option for measuring sodium, potassium, lithium, barium and calcium. Models for clinical or industrial samples are available.

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PFP7 Industrial Flame Photometer

- Designed for industrial analysis
- Supplied with Na, K, Li, Ba and Ca filters
- Low temperature, single channel
- Flame failure safety system
- Operates with propane, butane, natural gas or LPG

The PFP7 is a low temperature, single channel flame photometer that is designed for the routine determination of sodium, potassium, calcium, barium and lithium concentrations. The flame failure safety system makes these products ideal for use in industrial and educational environments. The use of fine and coarse sensitivity controls allows for accurate measurements each and every time.

Technical Specification

Range	0 to 199.9ppm
Limits of detection	Na 0.2ppm K 0.2ppm Li 0.25ppm Ca 15ppm Ba 30ppm
Reproducibility	<1% coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50
Linearity	< 2% error when 3ppm Na/K and 5ppm Li are set to read 100
Stability	< 2% drift over 5min when continuously aspirating 10ppm sample set to 50.0
Specificity	Interference from Na/K and Li equal in concentration to test element will be <0.5%
Recorder output	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/min @ 14psi
Fuel	Propane, butane, natural gas or LPG
Size (w x d x h)	420 x 360 x 300mm
Weight	8kg

Ordering Information

Part Code	Description
500 701	PFP7 industrial flame photometer supplied with Na, K, Ba, Ca and Li filters, connecting hoses and clips, compressor plug and drain trap (230V/50Hz)

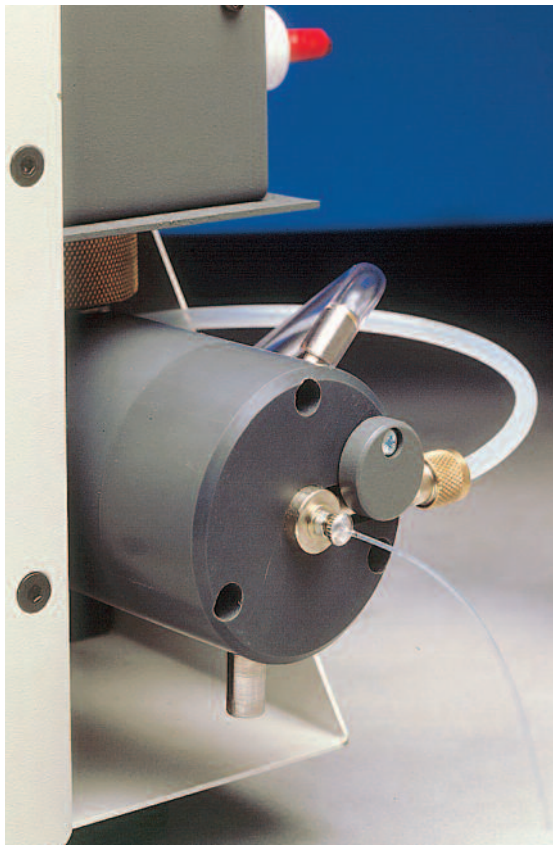
Note: This product will only operate with the correct type of compressor and gas regulator as specified.



PFP7



PFP7



PFP7/C Clinical Flame Photometer

- Designed for clinical analysis
- Supplied with Na, K and Li filters
- Low temperature, single channel
- Flame failure safety system
- Operates with propane, butane, natural gas or LPG

The PFP7/C is a low temperature, single channel flame photometer that is specifically designed for use in clinical applications for the determination of sodium, potassium and lithium. The in-built lineariser circuitry of the PFP7/C enables readings of both sodium and potassium to be displayed directly in mmol/l. The series 7 diluter is available for use with the PFP7/C to enable serum samples to be diluted efficiently and accurately to the required ratios.

Technical Specification

Range	120 to 160mmol/l Na 0 to 10.0mmol/l K
Limits of detection	Na 0.2ppm K 0.2ppm Li 0.25ppm
Reproducibility	<1% coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50
Linearity	< 2% error when 3ppm Na/K and 5ppm Li are set to read 100
Stability	< 2% drift over 5min when continuously aspirating 10ppm sample set to 50.0
Specificity	Interference from Na/K and Li equal in concentration to test element will be <0.5% Nominal 1.00V for a reading of 100.0
Recorder output	
Services	
Electrical	90-125V or 190-250V @50/60Hz
Air	Moisture and oil free, 6 litre/min @ 14psi
Fuel	Propane, butane, natural gas or LPG
Size (w x d x h)	420 x 360 x 300mm
Weight	8kg

Ordering Information

Part Code	Description
500 801	PFP7/C clinical flame photometer supplied with Na, K and Li filters, connecting hoses and clips, compressor plug and drain trap (230V/50Hz)

Note: This product will only operate with the correct type of compressor and gas regulator as specified.

Flame Photometers

Fuel

0507 Flame

Accessories & Consumables

Accessories

Ordering Information

Part Code	Description
535 001	Air compressor (220V/50Hz)
037 001	Series 7 diluter (230V/50Hz)
500 176	Water separator (small)
500 177	Water separator (large)
500 093	Fuel filter
500 178	Butane regulator
500 179	Propane regulator
500 180	Natural gas regulator



Regulators

Clinical Standards (500ml)

Ordering Information

Part Code	Description
025 008	1.00mmol/l Li
025 004	100mmol/l Na, 100mmol/l K
025 006	140mmol/l Na, 5mmol/l K
025 007	120mmol/l Na, 2mmol/l K
025 005	160mmol/l Na, 8mmol/l K
025 027	160mmol/l Na, 80mmol/l K



Air Compressor

Industrial Standards (500ml)

Ordering Information

Part Code	Description
025 021	1000ppm Na
025 023	1000ppm K
025 024	1000ppm Li
025 025	3000ppm Ba
025 009	1000ppm Ca
025 171	Cleaning solution (1 litre)

Miscellaneous

Ordering Information

Part Code	Description
500 134	Dust cover
500 172	Minor spares kit
500 173	Major spares kit
037 501	Analogue RS232 data logger: includes dedicated processing software