



The Jenway models PFP7 and PFP7/C are low temperature, single channel Flame Photometers, designed for routine determinations of Sodium (Na) and Potassium (K). Additional filters are available for the measurement of 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.

JENWAY flame photometer

features

- Na & K Filters as Standard
- Ca, Ba and Li Filters as Optional Accessories
- Electronic Flame Failure Detection
- Fine and Coarse Sensitivity Controls
- Operates on Propane, Butane, Natural Gas or L.P.G. Supplies
- Recorder Output
- Easily Maintained
- Economically Priced

While model PFP7 is used in industrial applications, the PFP7/C is designed specifically for use in clinical applications. The in-built linearizer circuitry enables readings of both Sodium and Potassium, at the normal clinical serum concentrations, to be directly displayed in mmol/l. (serum samples need to be diluted 200:1 or 100:1 prior to presentation to the flame photometer.)

options

- Air compressor (117V or 240V)
- Butane, Propane or Natural Gas regulator
- Water separator
- Dust Cover
- Cleaning solution
- Spares kit
- Reagents - clinical standards
- Reagents - industrial standards

accessories

gas regulators



The following gas regulators are available

- Butane
- Propane
- Natural Gas

air compressors



- Model 8515 air compressor - 240V 50Hz
- Model 8516 air compressor - 117V 60Hz

additional Techné and Jenway products

- Benchtop and Portable Electrochemistry
- Spectrophotometers
- Water Baths and Immersion Circulators
- Temperature Calibration Equipment
- Precision Thermometers
- RTD Indicator
- Dri-Block® Heaters

technical specifications

PPF7

Ranges: —

Limits of Detection: Na \leq 0.2ppm
K \leq 0.2ppm
Li \leq 0.25ppm
Ca \leq 15ppm
Ba \leq 30ppm

PPF7/C

Ranges: 120-160mmol/l Na
(linearized)
0-10.0mmol/l K

Limits of Detection: Li \leq 0.25ppm
Ca \leq 15ppm
Ba \leq 30ppm

common specifications

Reproducibility:

\leq 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/cm² (14psi)

Fuel: Propane, Butane, Natural Gas or L.P.G.

Size:

16.5 x 14.2 x 11.8in

Weight:

17.6 lbs

Product Order Codes

500 401 **Model PFP7** 117V

500 214 **Model PFP7/C** (clinical version) 117V

500 094 **Model PFP7** 240V

500 200 **Model PFP7/C** (clinical version) 240V

Both models are supplied with Na & K filters, connecting hoses and clips, compressor plug, drain trap, fuses, mains lead and combined Instruction/Service manual.

optional accessories

535 001 Model 8515 air compressor (240V 50Hz)

535 002 Model 8516 air compressor (117V 60Hz)

500 125 Calcium filter

500 126 Lithium filter

500 127 Barium filter

Note: It is recommended these filters be factory fitted at the time of ordering - please specify.

500 178 Butane regulator

500 179 Propane regulator

500 180 Natural gas regulator

500 176 Water separator

500 177 Water separator (large)

500 134 Dust cover

025 016 Cleaning solution (1 liter)

500 172 Minor spares kit

500 173 Major spares kit

Reagents - Clinical Standards (500ml)

025 008 1.00mmol/l Li

025 004 100mmol/l Na/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

Reagents - Industrial Standards (500ml)

025 023 1000ppm K

025 024 1000ppm Li

025 025 3000ppm Ba

025 021 1000ppm Na

025 009 1000ppm Ca

Note: The instrument will only operate with the correct type of air compressor and gas regulator - please specify.