

Buck Scientific PFP-7 Flame Photometer

Ideal for clinical, industrial and educational applications

Overview

The Model PFP-7 is a low temperature, single channel flame photometer designed as a low cost approach for the routine determination of sodium and potassium. Additional filters are included for the measurement of lithium, barium, and calcium.



Features:

- Push button ignition
- Switchable decimal point
- Electronic flame failure detection
- Filter wheel for fast changing of analytical parameters
- Fine and coarse sensitivity controls
- Operates on propane, butane, natural gas or L.P.G. supplies
- Recorder output
- Economically priced

BUCK
Scientific

Affordable
Quality

Buck Model PFP-7 Flame Photometer

Technical Specifications:

PFP-7

(Based on Actual Measurements with Buck Style Filters)

<u>Element</u>	<u>Detection Limits</u>	<u>Working Range</u>
Na	0.15ppm	0.50 - 10ppm
K	0.20ppm	0.75 - 25ppm
Li	0.25ppm	0.75 - 20ppm
Ca	1.50ppm	3.00 - 40ppm
Ba	2.50ppm	5.00 - 100ppm

PFP-7C

The PFP-7C is designed specifically for use in clinical applications. The built-in lineariser circuitry enables readings of both sodium and potassium, at the normal clinical serum concentrations, to be displayed in mmol.

<u>Analytical Ranges:</u>	Na	0.04 - 1.1 mM
	K	0.02 - 1.4mM

Detection limits and Working ranges for Ca, Li, Ba are the same as the PFP-7.

Common Specifications

Reproducibility:	≤1% coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50.0
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 less than 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 liter / minute at 1Kg/cm ² (14psi)
	Fuel: Propane, butane, natural, gas, or L.P.G.
Range:	0 - 199.9
Size:	420 x 360 x 300mm
Weight:	8Kgs. / 17.5lbs.