

## FLAME PHOTOMETER PFP/7

Single emission flame photometer designed for the routine determination of Sodium, Potassium, Calcium, Lithium and Barium. Featuring fine and coarse sensitivity controls for consistently accurate measurements. Supplied with Na, K, Li BA and Ca filters and flame failure safety system.

Wide range of clinical, industrial and teaching applications including examination of:-

- pharmaceutical and biochemical samples
- plant and animal tissues
- minerals, cements and ceramics
- oils and greases
- biological and clinical fluids

Complete with:

- Digital readout
- Switchable decimal point
- Narrow band filters on rotating discs
- Electronic ignition of flame
- Electronic flame failure protection
- Automatic regulation of air supply
- Simple maintenance and cleaning
- Recorder output



Limits of Detection	Na $\leq$ 0.2ppm / K $\leq$ 0.2ppm / Li $\leq$ 0.25ppm / Ca $\leq$ 15ppm / Ba $\leq$ 30ppm
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/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 Output	Nominal 1.00V for a reading of 100.0
Services: Electrical	0-125V or 190-250V @ 50/60Hz
Services: Air	Moisture and oil free 6 litre/minute @ 1kg/cm <sup>2</sup> (14psi)
Services: Fuel	Propane, Butane, Natural Gas or LPG
Size	420x360x300mm
Weight	8Kg