



FP902

FLAME PHOTOMETER

The PG Instruments FP902 Flame Photometer offers the combination of clinical, industrial and education applications in ONE instrument. It gives accurate, fast and precise analysis of sodium, potassium, calcium and lithium in one simple aspiration.

The FP902 uses a soft touch key pad for ease of data entry and features electronic ignition, automatic flame failure safety and will operate using butane, natural gas or LPG.

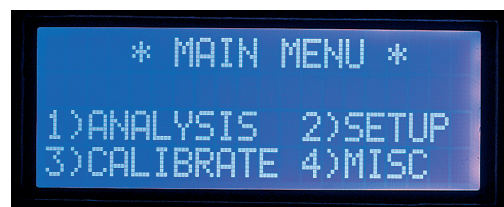
Flame photometry provides a simple method of analysis and concentration determination of elements which cannot easily be measured using any other technique. PG Instruments application notes for users of our versatile new flame photometers cover a wide range of industrial sectors, from food and drink to cement, minerals and glass, as well as agricultural, biological and clinical applications.

### TYPICAL APPLICATIONS

- Soil and Agricultural Analysis
- Biological Fluids
- Petrochemical Industry
- Food and Drink Analysis

### FEATURES & FUNCTIONS

- Four element measurement in a single aspiration (Na, K, Li and Ca)
- Curve calibration using up to 5 standards
- Calibration curve fit routines first order and second order
- Multiple calibration curve saving facility
- Sample data storage
- Printer attachment
- Data displayed in concentration units ie. ppm, meq etc



## Specifications

Mode	General Analytical Applications	Serum	Urine
Range	Na: 0.1-100 ppm Up to 250 meq/l, 1:100 dil  K: 0.1-100 ppm Up to 250 meq/l, 1:100 dil  Ca: 15-100 ppm Up to 250 meq/l, 1:100 dil  Li: 0.5-100 ppm Up to 250 meq/l, 1:100 dil	Na: 0-200 1:100 dil  K: 0-10 1:100 dil  Ca: - Li: 0-2 1:5 dil	Na: 0-250 1:100 dil  K: 0-100 1:100 dil  Ca: - Li: 0-10 1:2 dil
Sensitivity	General Mode: Na:0.5 ppm, K:0.5 ppm, Li:0.5 ppm, Ca:15 ppm		
Filters	Filters for Sodium, Potassium, Lithium and Calcium are included		
Resolution	0.1 ppm/meq		
Reproducibility	± 2% FS, & ± 2 Digits		
Curve Fit Accuracy	± 2% FS		
Display	20 x 4 Alphanumeric backlit LCD display		
Flame System	LPG & dry oil free air		
Detector	Silicon Photodiode		
Calibration	Up to 5-Point Calibration with curve fitting software		
Gas Control	Fully Adjustable		
Ignition System	Auto Ignition		
Atomiser	Axial flow type		
RS-232C Interface	RS-232 PC Software available		
Power	230 V ± 10% AC, 50/60 Hz		
Dimensions	365 x 245 x 220 mm (L x B x H) (Approx.)		
Weight	Main Unit: 7.5Kg. (Approx.)		

## Compressor Unit

Air Supply	Oil free compressor unit with pressure regulator
Combustion Gas LPG	Controlled by precision regulator
Power	230 V ± 10% AC, 50/60 Hz
Dimensions	290 x 255 x 210 mm (L x B x H) (Approx.)
Weight	8Kg. (Approx.)