



Specifications

Sensitivity	Sodium & Potassium 1 ppm Calcium & Lithium 10ppm
Ranges	Sodium 0-10ppm (0-200meq) Potassium 0-100ppm (0-80meq) Calcium 0-100ppm (0-5meq) Lithium 0-100ppm (0-10meq)
Display	16 Character, 2 line LCD of ppm & meq.
Results	Automatic calculation, linear & quadratic
Com	Parallel Port
Air supply	Integral regulator
Gas supply	LPG
Filters	Automatic filter selection
Dimensions	35 X 23 X 35cm
Weight	7.5 Kg

Applications - Determination of Na, K, Ca and Li (Ba optional)

- * Clinical and Pathological laboratory
- * Agriculture and Soil Testing laboratory
- * Ceramics
- * Oil Refinery
- * Horticulture
- * Water (Natural, waste water, effluent, river)
- * Cement
- * Chemical and Fertilisers
- * Zoology
- * Foods and Beverages

This model is an ultra reliable Micro processor based automatic Flame Photometer for the simultaneous determination of Sodium, Potassium, Calcium and Lithium in a single aspiration. The instrument is fully portable and incorporates batteries that can last up to 6 months according to use. Filter selection is fully automatic and programmable via an on board microprocessor. Performance is "State of the Art" and can be considered as the finest instrument of its type in the world. Features include 5 point Calibration curves for up to four elements stored in memory. Automatic matrix correction

Part No.

<p>C/F/030001 Model 1020 Microprocessor controlled automatic Flame Photometer with auto ignition and stepper motor controlled multi element selection. The model 1020 will automatically analyse up to four separate elements using isolating optical filters integrated within the instrument and selected by the system microprocessor. Analysis is made using a 5 point calibration curve for all 4 elements. Curves are stored in memory and are corrected using both quadratic and linear functions. All four elements are measured using just a single aspiration and data is displayed in both ppm and meq. The model 1020 is therefore capable of fast analytical times. Data is shown by way of an alpha-numeric display and parameters are loaded from a multi key membrane keyboard. A parallel port is provided to allow a printer to be connected. RS232 available as an option only. Air flow is controlled by way of an integral regulator. Also included are plastic cups and tray, gas tubing. Cleaning wire, instruction manual, capillary tubing and jubilee clips. Filters are included as standard for Na, K, Ca and Li. Ba may also be included as an option.</p>	<p>C/F/030014 Calibration Standard 1000ppm Barium (500ml)</p> <p>C/F/030015 Minor Spares for two years operation.</p> <p>C/F/030016 Major Spares for two years operation as above plus electronic components Gas Tubing</p> <p>C/F/030017 Air Tubing</p> <p>C/F/030018 Spare Nebuliser complete</p> <p>C/F/030019 Inlet tube 500mm</p> <p>C/F/030020 Cleaning Wire</p>
<p>C/F/030003 Compact Air Compressor for Flame Photometer</p> <p>C/F/030004 Dust Cover</p> <p>C/F/030005 Ink Jet Printer</p> <p>C/F/030006 Printer Paper</p> <p>C/F/030007 Printer Cartridge</p> <p>C/F/030008 Propane Regulator</p> <p>C/F/030009 Butane Regulator</p> <p>C/F/030010 Calibration Standard 1000ppm Potassium (500ml)</p> <p>C/F/030011 Calibration Standard 1000ppm Lithium (500ml)</p> <p>C/F/030012 Calibration Standard 1000ppm Sodium (500ml)</p> <p>C/F/030013 Calibration Standard 1000ppm Calcium (500ml)</p>	<p>Additional Spares</p> <p>C/F/030022 Filters Barium Ba</p> <p>C/F/030023 Filters Sodium Na</p> <p>C/F/030024 Filters Potassium K</p> <p>C/F/030025 Filters Lithium Li</p> <p>C/F/030026 Filters Calcium Ca</p> <p>C/F/030027 Set of Fuses</p> <p>C/F/030028 Optional RS232 Interface</p> <p>C/F/030029 12 DC to AC Converter for portable applications. Requires a 12 volt battery</p> <p>C/F/030030 Spare Igniter coils</p> <p>C/F/030031 Spare Nebuliser (atomiser assembly only)</p>