

# Flame Photometer

## Superspec S20-F

### APPLICATIONS

Determination of Na, K, Ca, Li, Ba

- Hospital laboratories
- Environmental
- Oil analysis
- Cement analysis
- Food and beverages
- Contaminants
- Horticulture
- Waste water
- Industrial waste
- River environments
- Chemicals and fertilisers
- Soil testing
- Toxicology



### Specifications

Sensitivity	Na, K, Li <0.2ppm Ca, <10ppm
Ranges	Sodium 0-1 Oppm (0-200meq) Potassium 0-100ppm (0- 80meq) Calcium 0-100ppm (0- Sppm) Lithium 0-100ppm (0- l0meq)
Reproducibility	1-2% C of V for 20 consecutive samples @10ppm Na standard
Linearity	< 2%
Services	Air moisture free 6 l/min @1Kg/cm2 ( 14psi ) typically
Display	16 Character, 2 line LCD of ppm & meq.
Results	Automatic calculation, linear & quadratic
Memory Battery	Life up to 6 months without back light

### Description

The Superspec F20-F is a rugged and very reliable low temperature microprocessor controlled automatic flame photometer designed specifically for the automatic analysis of the 4 principal elements relating to emission analysis. Sodium ( Na ) Potassium ( K ) Calcium ( Ca ) Potassium ( K ) In addition Barium ( Ba ) may also be analysed as an option . The instrument is capable of measuring all four elements from a single aspiration and applying all necessary corrections and linearising functions including both quadratic and linear. The Superspec F20-F includes automatic filter selection and electronic ignition of the burner flame. 5 point calibration curves for up to 4 elements may be stored in memory with matrix corrections as required. The instrument is used in many hundreds of locations around the world and is the instrument of choice for all flame emission measurements. A parallel port is included as standard for connection to a printer. Features include, high sensitivity, integrated air flow controls, automatic analysis of four elements with a single aspiration, quadratic and linear calibration,

Com	Parallel port for 80 column printer	electronic burner ignition plus options for portable use
Air supply	Integral regulator	when connected to a suitable battery.
Burner	Stainless steel	Other features include low maintenance requirements
Nebulizer	Metallic axial flow	and economically pri
Gas supply	Propane, Butane, natural gas and LPG	
Tecorder	Analogue output	
Printer	80 column printer port	
Filters	Automatically selected	
Dimensions	35 x 23 x 35cm	
Weight	8 Kgs	
Power	230V 50Hz Other as required	

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