

Detailed Specifications of Flame Photometer

Sr.	Technical Specifications													
1	Make/Manufacturer	BWB Technologies												
2	Model	BWB XP or equivalent												
3	Filters and major features	<p>Na, K, Li, Ca and Ba are all included as standard</p> <p>Simultaneous detection and display of an five elements Display of all 5 atoms of interest Intuitive user interface for true ease of use Display prompts step by step operation Built-in air compressor Solutions and labware included Data sharing via pc link via usb Operator independent Determination of results 5 user selectable units of measure User selectable decimal places Integrated printer option uses Readily available paper</p>												
4	Sample rate	2.0 - 3.5 ml/min												
5	Tubing materials	Silicone and Tygon®												
6	Optimal range	<table border="0"> <tr> <td>Single point calibration</td> <td>Multi Point Calibration</td> </tr> <tr> <td>Na 0.1 - 60ppm</td> <td>Na 0.1 - 1000ppm</td> </tr> <tr> <td>K 0.05 - 100ppm</td> <td>K 0.05 - 1000ppm</td> </tr> <tr> <td>Li 0.05 - 50ppm</td> <td>Li 0.05 - 1000ppm</td> </tr> <tr> <td>Ca 1.0 - 100ppm</td> <td>Ca 1.0 - 1000ppm</td> </tr> <tr> <td>Ba 1.6 - 100ppm</td> <td>Ba 5.0 - 3000ppm</td> </tr> </table>	Single point calibration	Multi Point Calibration	Na 0.1 - 60ppm	Na 0.1 - 1000ppm	K 0.05 - 100ppm	K 0.05 - 1000ppm	Li 0.05 - 50ppm	Li 0.05 - 1000ppm	Ca 1.0 - 100ppm	Ca 1.0 - 1000ppm	Ba 1.6 - 100ppm	Ba 5.0 - 3000ppm
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7	Reproducibility	<1% Coefficient of variability for 20 consecutive samples over ten minutes at concentrations of 100ppm or less. (After instrument stabilisation).												
8	Specificity	Na/K/Li = <0.5% to each other when equal in concentration at <100ppm.												
9	Limit of detection (LOD)	Na - 0.03ppm K - 0.02ppm Li - 0.02ppm Ca - 0.3ppm Ba - 1.6ppm												
10	Limit of quantification (LOQ)	Na - 0.1ppm K - 0.05ppm Li - 0.05ppm Ca - 1ppm Ba - 5.0ppm												
11	Time to stability	Less than 15 seconds after sample is introduced into the flame.												
12	Ions measured	Simultaneous measurement of Na, K, Li, Ca, Ba.												
13	Interfaces	USB												
14	Power requirements	100V - 250V AC at 50 or 60Hz automatically selecting.												
15	Fuel requirement	Propane, Butane or Natural Gas* regulated to 19Bar. Flow rate of 0.4l/min.												
16	Readout	LCD, four line, alpha numeric, back lit.												

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17	<p>Accessories included in the package</p> <ul style="list-style-type: none"> • PC leads USB and RS232 • Selection of 3 power cables to suit all regions • Gas hose • Aspiration kit • Manuals covering all aspects of the XP FP • Quick start guides • Warranty registration form • Certificates of analysis for all provided fluids • Material safety data sheets for all provided fluids • 1L of BWB recommended cleaning solution • 150ml calibration fluids for an 5 elements at 10,000ppm • 100ml conical flask with screw lid • 100 disposable sample cups • 1L of de-lonised water • 2m of waste tube • Set of spare fuses • 10 x 10ml pipettes • 10 x 1ml pipettes



+ CONTACT INFO

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and Manufactured
in England