

BWB WINE

Highly accurate and cost effective analysis, in your lab and on your terms

With our new "Light Pipe Technology" and multiple calcium detectors systems we are now able to meet the rigid standards of calcium detection in wine as this additive is blended in and then removed out in processing. Of course our potassium and Sodium channels are also specified for this important industry as well.

Used by the more discriminating wine producers in the world, the BWB WINE flame photometer not only offers a superior analytical instrument for the industry but is also a vital tool for optimising product quality through early detection and measurement of these key elements.



+ FEATURES

- SIMULTANEOUS DETECTION AND DISPLAY OF ALL 4 ATOMS OF INTEREST
- "IRS" (INTERNAL REFERENCE STANDARD) AVAILABLE
- 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
- OPERATOR INDEPENDENT DETERMINATION OF RESULTS
- 4 USER SELECTABLE UNITS OF MEASURE
- USER SELECTABLE DECIMAL PLACES
- INTEGRATED PRINTER USES READILY AVAILABLE PAPER
- IQ, OQ, PQ WEB-BASED CERTIFICATION AVAILABLE
- CAN BE USED WITH EITHER THE BWB COLLECTION CUP FEATURE OR OUR AFHS AUTOMATED SAMPLE HANDLING SYSTEM.



Just Add Gas

Technical Data

Just Add Gas

Sample rate

3.5 – 5ml/min

Tubing materials

Silicone and Tygon®

Required desk space for Instrument

50cm (H) x 45cm (W) x 45cm (D)*

For Safety reasons the Flame photometer requires 1m of unobstructed space above to allow dissipation of heat from the chimney.

Instrument size

Wine Flame Photometer

51cm (H) x 38cm (W) x 41cm (D)

(20in x 14in x 16in)

Shipping

62cm (H) x 55cm (W) x 47cm (D)

(24in x 22in x 19in)

Weight

Wine Flame Photometer – 15.3kg

Shipping – 25kg

Optimal range

Single point calibration

Na 0.1 – 60ppm

K 0.05 – 100ppm

Ca 1.0 – 100ppm

Multi Point Calibration

Na 0.1 – 1000ppm

K 0.05 – 1000ppm

Ca 1.0 – 1000ppm

Reproducibility

<1% Coefficient of variability for 20 consecutive samples over ten minutes at concentrations of 100ppm or less. (After instrument stabilisation).

Specificity

Na/K/Li = <0.5% to each other when equal in concentration at <100ppm

Limit of detection (LOD) and limit of quantification (LOQ) displayed

LOD	LOQ
Na – 0.03ppm	Na – 0.1ppm
K – 0.02ppm	K – 0.05ppm
Ca – 0.3ppm	Ca – 1ppm

Time to stability

Less than 15 seconds after sample is introduced into the flame

Ions measured

Simultaneous measurement of Na, K, and Ca

Interfaces

USB

0-1 volt output (based on sample concentration linked to element of users choice)

Optional 4-20mA output in place of the above

Optional integrated printer

.CSV and .PDF generated reports and files via FP-PC software

Recommended minimum warm up time based on ambient temperature

21°C – 40 minutes

Power requirements

100V – 250V AC at 50 or 60Hz

automatically selecting

Fuel requirement

Propane, Butane or Natural Gas*

regulated to 19Bar. Flow rate of 0.4l/min

*with modifications. BWB Technologies recommends either Propane or Butane for optimum results.

Readout

LCD, four line, alpha numeric, back lit.

+ WHAT'S IN THE BOX*

- PC Leads USB and RS232
- Selection of 3 Power cables to suit all regions (4th option for China)
- Gas Hose
- Aspiration Kit
- Manuals covering all aspects of the Wine FP

- Quick Start guides
- Warranty Registration Form
- Certificates of analysis for all provided Fluids
- Material Safety Data Sheets for all provided Fluids
- The FP-PC Software installation USB

- 1L of BWB recommended cleaning solution
- 150ml calibration fluids for all 3 elements at 10,000ppm.
- 100ml conical flask with screw lid
- 100 disposable sample cups
- 1L of De-Ionised water

- 2m of waste line
- Set of spare f
- 10 x 10ml pipe
- 10 x 1ml pipet



**PROUDLY MANUFACTURED
AND ENGINEERED IN THE
UNITED KINGDOM**

www.bwbtech.com

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*Subject to change without notice based on local regulations and distributor

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