



UNIVERSE

FLAME PHOTOMETER AZA1258

The AZA LAB Flame Photometer – Model AZA1258 is a high-precision analytical instrument designed for the quantitative determination of alkali and alkaline earth metals in liquid samples. Engineered for accuracy, stability, and ease of operation, it provides reliable analysis of Sodium (Na), Potassium (K), Calcium (Ca), and Lithium (Li).

With a measurement range of 0–100 ppm, the AZA1258 delivers fast, reproducible, and dependable results, making it an essential solution for laboratories involved in environmental testing, pharmaceuticals, food quality control, and research applications.



Calibration & Data Handling

- Supports up to 5-point calibration with curve fitting
- Ensures excellent linearity across measurement range
- Printer connectivity for:
 - Dot matrix printers
 - HP LaserJet / inkjet printers
- Facilitates documentation and compliance with quality systems

Applications

- Environmental and water quality analysis
- Food and beverage testing laboratories
- Pharmaceutical and chemical analysis
- Clinical and biomedical research
- Agricultural and soil testing
- Academic and training institutions



UNIVERSE

TECHNICAL SPECIFICATIONS

Parameter	Details
Model	AZA1258
Measurement Range	Na, K, Ca, Li: 0–100 ppm
Sensitivity	Na: 0.5 ppm, K: 0.5 ppm, Li: 0.5 ppm, Ca: 15 ppm
Resolution	0.1 ppm
Reproducibility	< 1% CV (20 samples)
Accuracy	±2% of full scale
Display	20 × 4 LCD (backlit)
Flame System	LPG + dry oil-free air
Calibration	Up to 5-point with curve fitting



UNIVERSE

TECHNICAL SPECIFICATIONS

Parameter	Details
Printer Interface	Dot matrix / HP LaserJet / Inkjet
Dimensions (L × W × H)	365 × 245 × 220 mm
Weight	Approx. 9 kg

