

DIGITAL FLAME PHOTOMETER-AF SERIES

AF-Series Flame Photometers are microprocessor controlled and depending on the model; It performs sodium, potassium, lithium, calcium and barium analyzes accurately and precisely with a single aspiration.

Key Features

- 7" multi-color touch screen
- With a single aspiration, depending on the model, simultaneous reading of 5,4,3 or 2 elements
- Automatic filter selection
- 12-point calibration curve
- Electronic ignition
- Flame extinction safety protection sensor
- Working with propane, butane, natural gas or LPG
- Direct reading with the selected concentration unit
- Computer connection via USB interface
- Storage of results
- Multi-language option (Turkish, English, ...)
- Internal Printer (Optional)

Scope of Application

- Soil, Fertilizer and Water Analysis
- Biological and Chemical Fluid Analysis
- Petrochemical Analysis
- Food and Beverage Analysis
- Cement, Ore and Glass Analysis



Technical Specifications

Model Number	AF-501	AF-401	AF-311	AF-321	AF-201
Display Value	Concentration				
Range	0.000~999.9				
Test Elements	K, Na, Li, Ca, Ba	K, Na, Li, Ca	K, Na, Li	K, Na, Ca	K, Na
Channel Number	5	4	3	3	2
Measuring Range (ppm)	K	0 ~ 100			
	Na	0 ~ 160			
	Li	0 ~ 100	0 ~ 100	○	○
	Ca	0 ~ 1000	○	0 ~ 1000	○
	Ba	0 ~ 3000	○	○	○
Limit of Detection (ppm)	K	0.01			
	Na	0.01			
	Li	0.1	0.1	○	○
	Ca	2	○	2	○
	Ba	6	○	○	○
Linearity (ppm)	K	0.195 (0.39-3.12)			
	Na	0.69 (1.15-9.2)			
	Li	0.15 (0.25-5)	0.15 (0.25-5)	○	○
	Ca	3 (5-100)	○	3 (5-100)	○
	Ba	9	○	○	○
Response Time	< 8 seconds				
Sample Uptake	< 6 ml/min				
Stability	< 3% * drift over 15 s when continuously aspirating				
Reproducibility	< 3% * coefficient of variation for 7 consecutive samples				
Interference (Na/K/Li)	<0.5% to each other when equal in Concentration at <100 ppm				
Curve Graph	Display				
Printer	Internal Printer, optional				
Output Interface	USB				
Fuel	LPG				
Packing Size	780*560*390 mm				
Gross Weight	18 Kg				

