



AE-FP Series Flame Photometer

Key Features

- ⦿ LCD display, touch panel with numeric keypad;
- ⦿ With pre-select function for flame size;
- ⦿ With RS232 interface, can connect with external printer;
- ⦿ Easy adjustable Relief valve, direct view of pressure gauge.

Product Description

Characteristics:

1. With K, Na, Li, Ca, Ba five filters, which can detect three kinds of elements, show three kinds of elements content simultaneous;
2. LCD display, touch panel with numeric keypad;
3. With auto correlation coefficient calculating function;
4. With pre-select function for flame size;
5. A flameout protection device;
6. With single point calibration function;
7. Calibration curve can be saved;
8. With RS232 interface, can connect with external printer;
9. With a mist separator;
10. Easy adjustable Relief valve, direct view of pressure gauge.



⦿ Technical Specifications:

Model		AE-FP8201	AE-FP8202 (for cement)	AE-FP8203 (soil-fertilizer)	AE-FP8301	AE-FP8302	AE-FP8303	AE-FP8401	AE-FP8402	AE-FP8501
Range (mmo I/L)	K	0-3	0-2	0-3	0-3	0-3	0-3	0-3	0-3	0-3
	Na	0-5	0-10	0-10	0-5	0-5	0-5	0-5	0-5	0-5
	Li	—	—	—	0-15	—	—	0-15	0-15	0-15
	Ca	—	—	—	—	0-25	—	0-25	—	0-25
	Ba	—	—	—	—	—	0-22	—	0-22	0-22
Stability		—	—	The biggest change in the relative volume in 15s: ≤3%						
Linear error (mmo I/L)	K	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
	Na	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	Li	—	—	—	0.02	—	—	0.02	0.02	0.02
	Ca	—	—	—	—	0.07	—	0.07	—	0.07
	Ba	—	—	—	—	—	0.07	—	0.07	0.07
Min. Detection limit (mmo I/L)	K	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
	Na	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
	Li	—	—	—	0.015	—	—	0.015	0.015	0.015
	Ca	—	—	—	—	0.05	—	0.05	—	0.05
	Ba	—	—	—	—	—	0.058	—	0.058	0.058
Curve Calibration		Straight-line method; Polygon method; Quadratic fit.								
Linearity		Better than the best results of the intermediate value of 2% (single-point CAL)								
Printer		Optional, built-in printer or external micro-printer								