



Flame Photometer FM-FPM-A100

Overview

Flame Photometer FM-FPM-A100 is specially designed for the quantitative analysis of the concentration of K, Na, and Li in a sample solution based on their characteristic emission spectra when introduced into a high-temperature flame. It generates quick results in less than 8 seconds and accommodates data ranges from 0.000 to 9.999. It incorporates a safety feature to prevent flameout and ensure continuous operation.

Specifications :

Operation Model	7-inch color touchscreen
Display Value	Concentration value
Data Range	0.000 to 9.999
Testable	K, Na, Li
Channel Quantity	3
Range ppm	K: 0-100ppm Na: 0-160ppm Li: 0-100 ppm
LOD ppm	K: 0.01ppm Na: 0.01ppm Li: 0.1 ppm
Linear Error	K: 0.195ppm Na: 0.69ppm Li: 0.15 ppm
Response Time	<8s
Sample Uptake	<6L/min
Stability	3% drift over 15s when continuously aspirating
Reproducibility	3% coefficient of variation for 7 consecutive samples
Display	Curve Graph
Printer	Optional build-in thermal printer
COM	USB
Software	Optional software connecting with computer
Fuel	LPG
Power	AC 220V-22V 50/60Hz-1Hz, 250w
Dimension	54 x41 x58cm
Weight	26kg

Features :

- Featuring a vibrant 7-inch color touchscreen
- Equipped with an air compressor for optimal performance
- Offering a user-friendly multilingual interface
- Allows to choose from various concentration units
- Easily adjust the measuring range to suit your needs
- Offers pre-selection of flame sizes for precise analysis
- Automatically calculates correlation coefficients
- Provides instant concentration display for quick results

Applications :

These are commonly used in analytical chemistry for a variety of fields, including, Clinical Chemistry, Environmental Analysis, Industrial Quality Control, Research Laboratories, etc.