



# Flame photometer LZ-FLP-A100

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## Overview

Flame photometer LZ-FLP-A100 is composed of a flame system, photodetector, and control system which offers a reliable and accurate solution for determining the concentrations of metals. It is calibrated to detect and measure concentrations of specific elements like K, Na, Li, and Ca in test samples. It is equipped with safety features to detect

flame failures which ensures instrument stability and prevents data inaccuracies. The 7-inch touchscreen displays concentrations and correlation coefficients.

Specifications :

Testing Elements	K, Na, Li, Ca	
No Of Channels	4	
Display	7-inch colour touchscreen	
Display Value	Concentration value	
Response Time	<8s	
Sample Uptake	< 6 ml/min	
Data Range	0.000 to 999.9	
Interface	USB	
Range		
	K	0 to 100 ppm
	Na	0 to 160 ppm
	Li	0 to 100 ppm
Lod	Ca	0 to 1000 ppm
	K	0.01ppm
	Na	0.01 ppm
	Li	0.1 ppm
	Ca	2 ppm

Linear Error	K	0.195
	Na	0.69
	Li	0.15
	Ca	3
Stability	<3% drift over 15s	
Reproducibility	3% coefficient for 7 samples	
Fuel	LPG	
Power Consumption	250 W	
Power Supply	AC 220 V $\pm$ 22 V 50 Hz $\pm$ 1 Hz	
Dimension	780 × 560 × 390 mm	
Weight	18 kg	

## Features :

1. Easy to operate
2. Enables the prior selection of flame sizes
3. Incorporated with an air compressor that supports stable flames
4. Provides selection of different concentration units
5. Allows selection from different concentration units
6. USB interface for transferring and storing data

## Applications :

The flame photometer is widely used in clinical laboratories, pathology, research facilities, soil and fertilizer industries, petroleum and mining sectors, chemical production units, as well as pharmaceutical and

beverage industries.



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