

CE KLABS KMFP-250 Microprocessor Flame Photometer



Description

KLABS KMFP-250 Microprocessor Flame Photometer is a touch screen based analytical instrument designed for rapid and accurate determination of sodium, potassium, calcium, lithium, and barium in laboratory applications. The system offers user-friendly operation with advanced calibration and data storage features.

Features

- 7" TFT Touch Screen
- User Friendly Menu Driven Software
- Direct Results in ppm and meq
- Auto Ignition Facility
- Auto Gas Cutoff Facility
- Auto Flame Failure Detection
- Setup Data Storage Facility
- Sample Data Storage Facility
- Four Measurements in Single Aspiration
- Curve Calibration Programmability Using Maximum of 5 Standards
- Multiple Calibration Curve Saving Facility
- Data Processing Through Curve Fitting Techniques
- Re-standardization with One Standard
- Result Data Printing
- USB Interface for Data Transfer to PC
- Useful for Medical & Soil Testing

Standard Accessories

- Na. & K — 1 No each (INBUILT)
- Chimney — 1 Nos
- Sample beaker — 5 Nos
- Aspiration tube — 5 Nos
- Capillary tubes — 5 Nos
- USB cable — 1 Nos
- Mains lead — 1 Nos
- Operation manual — 1 Nos



TOUCH
SCREEN



SOFTWARE
CONTROL SYS.



STABLE
FLAME



LOW NOISE
COMPRESSOR



USB
CONNECTIVITY

Technical Specifications

Technical	Specification
Model No.	KMFP-250
Mode	General / Serum / Urine
Sensitivity	General: Na : 0.5 ppm, K : 0.5ppm, Li : 0.5 ppm, Ca : 15 ppm, Ba : 50ppm
Filters	Na & K Supplied (Ca and Li at extra price)
Resolution	0.1 ppm / meq
Reproducibility	< 1% coefficient of variation for 20 consecutive samples using 10 ppm Na set as maximum standard (3% for Barium with 100 ppm sample)
Curve Fit Accuracy	< 2% error when 3 ppm Na/K and 5 ppm Li are set as max std.
Display	7" TFT with touch screen
Average Time	In built in software
Flame System	LPG and dry oil free air
Detector	Silicon Photodiode
Calibration	Up to 5-point calibration with curve fitting software
Gas Control	Adjustable with knobs
Flame Failure	Auto detection
Gas Cutoff	Automatic on power failure
Ignition System	Auto ignition
USB	Provision for data transfer to PC
Power	230 V + 10%, AC, 50 Hz
Dimensions	285 × 255 × 210 mm (L × B × H) approx.
Weight	7.5 kg approx.

Range

General	Serum	Urine
Na: 0 – 100 ppm Upto 250 meq/L 1: 100 dil	Na: 0 – 200 1:100 dil	Na: 0-250 1:100 dil
K: 0-100 ppm Upto 250 meq/L, 1: 100 dil	K: 0-10 1:100 dil	K: 0-100 1:100 dil
Ca: 0-100 ppm Upto 250 meq/L, 1: 100 dil	-	Ca: 0-10 1:2 dil
Li: 0-100 ppm Upto 250 meq/L, 1:100 dil	Li:0-2- 1:5 dil	-
Ba: 0-1000 ppm	-	-

Compressor Unit

Technical	Specification
Air Supply	By oil free mini compressor unit with pressure regulator
Combustion	LPG controlled by precision regulator
Power	230V ±10%, AC, 50 Hz
Dimensions	290 × 255 × 210 mm (L × B × H) approx.
Weight	8 kg approx.