ESFP-1382

Flame Photometer

LABORATORY

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Cod. ESFP-1382

Useful for both medical & soil testing applications

- Four element measurement in a single aspiration (Na, K, Li and Ca)
- Calibration curve setting using up to 5 standards
- Multiple calibration curve
- Microprocessor based with printer interface
- Data processing through curve fitting techniques - Least squares, quadratic
- Samples data storage
- Data displayed in concentration units ppm and meq
- Applications : Clinical Labs, Dairy Industry, Research & Analytical Purpose, Agricultural Industry, Food Industry, Chemical Industry, Water Purification

Technical features:

Mode	General Analytical	Serum	Urine
Range	Na: 0 - 100 ppm Up to 250 meq/L, 1:100 dil	Na: 0 - 200 meq/L 1:100 dil	Na: 0 -250 meq/L 1:100 dil
	K: 0 - 100 ppm Up to 250 meq/L, 1:100 dil	K: 0 - 10 meq/L 1:100 dil	K: 0 - 100 meq/L 1:100 dil
	Ca: 0 - 100 ppm Up to 250 meq/L, 1:100 dil	-	Ca: 0 - 10 meq/L 1:2 dil
	Li: 0 - 100 ppm Up to 250 meq/L, 1:100 dil	Li : 0 - 2 meq/L 1:5 dil	-
Sensitivity	General Mode: Na: 2 ppm, K: 1 ppm, Li: 1 ppm, Ca: 30 ppm		
Filters	Filters for Sodium and Potassium included; **Optional** Lithium and Calcium filters		
Resolution	0.1 ppm/meq		
Reproducibility	±2% FS & ± 2 digit		
Curve fit accuracy	± 2% FS		
Display	20 x 4 alphanumeric character LCD display with backlit		
Average time	Built-in software		
Flame System	LPG and dry oil free air		
Detector	Photodiode		
Calibration	Up to 5-point calibration with curve fitting software		
Gas Control	Fully adjustable with knob		
Ignition System	Auto Ignition		
Atomizer	Axial flow type		
RS-232C Interface	Available RS-232, optional PC Software		
Power	230 V ± 10% AC, 50 Hz		
Dimensions	365 x 245 x 220 mm Approx. (WxDxH)		
Gross Weight	Main Unit: 8 kg Approx.		

Compressor Unit:

Air Supply	Oil free compressor unit with pressure regulator
Combustion Gas LPG	Controlled by precision regulator
Power	230 V + 10% AC, 50 Hz
Dimensions	275 x 192 x 240 mm (WxDxH)(Approx.)
Weight	6,25 Kg. (Approx.)

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