



# ESFP-1382

## Flame Photometer



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LABORATORY



# ESFP-1382

## Flame Photometer



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

### Compressor Unit:

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



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