



ESFP-1384

: `Ua Y'D\ chca YhYf



LABORATORY



ESFP-1384

Flame Photometer

Clinical, Educational and industrial applications in ONE device

- Four element measurement in a single aspiration (Na, K, Li and Ca)
- Curve calibration with up to 5 standards
- Calibration curve fitting routines first order and second order
- Multiple calibration curve
- Sample data storage
- Printer interface
- Data displayed in concentration units i.e. ppm and meq



Cod. ESFP-1384

Technical features:

| Mode | General Analytical | Serum | Urine |
|---------------------------|--|---|--|
| Range | Na: 0.1 - 100 ppm Up to 250 meq/L, 1:100 dil K: 0.1 - 100 ppm Up to 250 meq/L, 1:100 dil Ca: 15 - 100 pmm Up to 250 meq/L, 1:100 dil Li: 0.5 - 100 ppm Up to 250 meq/L, 1:100 dil | Na: 0 - 200 1:100 dil K: 0 - 10 1:100 dil Ca: 0 - 2 1:5 dil Li : 0 - 2 1:5 dil | Na: 0 -250 1:100 dil K: 0 - 100 1:100 dil Ca: 0 - 10 1:2 dil Li: 0 - 10 1:2 dil |
| Sensitivity | General Mode: Na: 0.5 ppm, K: 0.5 ppm, Li: 0.5 ppm, Ca: 15 ppm | | |
| Filters | Filters for Sodium and Potassium included; Lithium and Calcium extra | | |
| Resolution | 0.1 ppm/meq | | |
| Reproducibility | ±2% FS & ± 2 digit | | |
| Curve fit accuracy | ± 2% FS | | |
| Display | 128 x 64 graphical LCD display | | |
| Flame System | LPG and dry oil free air | | |
| Detector | Silicon photodiode | | |
| Calibration | Up to 5-point calibration with curve fitting software | | |
| Gas Control | Fully adjustable | | |
| Ignition System | Auto Ignition | | |
| Atomizer | Axial flow type | | |
| RS-232C Interface | RS-232, optional available PC Software | | |
| Power | 230 V ± 10% AC, 50/60 Hz | | |
| Dimensions | 365 x 245 x 220 mm (WxDxH)(Approx.) | | |
| Weight | Main Unit: 7.5 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, 50/60 Hz |
| Dimensions | 290 x 255 x 210 mm (WxDxH)(Approx.) |
| Weight | 8 Kg. (Approx.) |