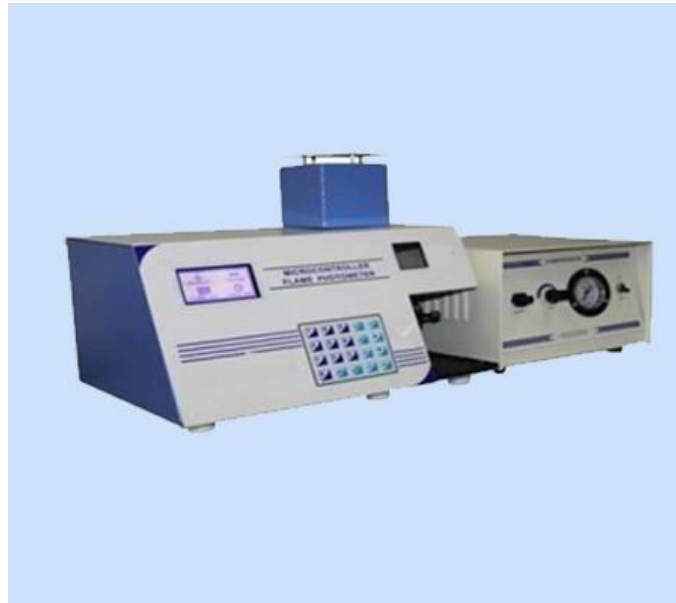




## Microprocessor Flame Photometers



Are used for the determination of sodium, potassium, calcium and lithium. They uses the latest microcontroller technology and advanced engineering techniques so as to give enhanced and reproducibility. They have soft touch membrane key for ease of operations.

### Technical Specifications:-

#### General

**Range Na:** 0 – 100 ppm

Upto 250 meq/l, 1:100 dil

**K:** 0 – 100 ppm

Upto 250 meq/l, 1:100 dil

**Ca:** 0 – 100 ppm

Upto 250 meq/l, 1:100 dil

**Li:** 0 – 100 ppm

Upto 250 meq/l, 1:100 dil

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**Ba** : 50-1000

#### **Serum**

**Na**: 0 – 200

1:100 dil **K**: 0 – 10

1:100 dil – **Li**: 0 – 2 1:5 dil

#### **Urine**

**Na**: 0 – 250 1:100 dil

**K**: 0 – 100 1:100 dil

**Ca**: 0 – 10 1:2 dil – **Sensitivity**:- General: Na: 0.5 ppm, K: 0.5 ppm, Li: 0.5 ppm, Ca: 15 ppm, Ba : 50 ppm

**Filters**:-Na & K supplied (Ca, Li & Ba are optional at extra cost)

**Resolution**:- 0.1 ppm/meq

**Reproducibility**:-< 1% coefficient of variation for 20 consecutive samples using 10 ppm Na set as maximum standard

**Curve Fit Accuracy**:- < 2% error when 3 ppm Na/K and 5 ppm Li are set as maximum standards

**Display**:-Graphical LCD with backlit

**Average Time**:- In-built in software

**Flame System**:-LPG and dry oil free air

**Detector**:- Silicon photodiode

**Calibration**:-with up to 5 Point Calibration with Curve Fitting Software (5 for each Element) Multiple Calibration Curves can be stored in the memory

**Gas Control**:- Adjustable with knobs

**Flame Failure**:- Auto detection

**Gas Cutoff**:- Automatic

**Ignition System**:-Auto ignition

**Automiser**:-Axial flow type

**Interface Port**:- USB

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**Power:-** 230 V  $\pm$  10% AC, 50 Hz

**Dimensions:-** 285 x 255 x 210 mm (L x B x H) (Approx.)

**Weight:-** 6.5 Kg (Approx.)

## **COMPRESSOR UNIT**

- Air Supply:- By oil free mini compressor unit with pressure regulator
- Combustion Gas:- LPG controlled by precision regulator
- Power:- 230 V  $\pm$  10% AC, 50 Hz
- Dimension:- 290 x 255 x 210 mm (L x B x H) (Approx.)
- Weight:- 6.0 Kg (Approx.)

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