

## IV-672 MICROPROCESSOR FLAME PHOTOMETERS

### PRODUCT FEATURES

- Auto Gas Cutoff Facility
- Auto Flame Failure Detection Facility
- Inbuilt Thermal Printer
- $\mu$ P Based With Printer Interface
- Five Element Measurement in Single Aspiration of the Sample
- Curve Calibration Programmability using Maximum of 25 Standards
- Data Processing Through Curve Fitting Techniques-Least Squares, Quadratic
- Multiple Calibration Curves Saving Facility
- Samples Data Storage Facility

- Online Help Key
- Printer Attachment Facility
- Measurement in ppm & meq
- Useful For Both Medical & Soil Testing Applications
- Setup Storage Facility up to 10 setups files
- Supplied with Compressor Unit

### 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



### Technical specification

<b>Sensitivity</b>	General Mode: Na: 0.5 ppm, K: 0.5 ppm, Li: 0.5 ppm, Ca:15 ppm, Ba: 30ppm
<b>Filters</b>	Na & K Supplied (Ca, Li & Ba are optional at extra cost) optional filter are factory fitted only
<b>Resolution</b>	0.1 ppm/0.1 meq.
<b>Reproducibility</b>	<1% coefficient of variation for 20 consecutive samples using 10 ppm Na set as Maximum Standard up to 3% CV for 20 consecutive samples of Concentrations between 50 to 199 ppm for Barium.
<b>Linearity</b>	< 2% error when 3 ppm Na/K and 5 ppm Li are set as Maximum Std.
<b>Curve Fit Accuracy</b>	$\pm$ 2% of FS
<b>Average Time</b>	In-built in Software
<b>Flame System</b>	LPG & Dry Oil Free Air
<b>Detector \ Display</b>	Photodiode \ 128 x 64 Graphical LCD
<b>Calibration</b>	with up to 25 Standards of user choice with curve fitting software (5 for each Element). Multiple Calibration Curves can be stored in the memory
<b>Gas Control</b>	Adjustable with knob
<b>Flame Failure</b>	Auto Detection
<b>Gas Cutt off</b>	Automatic
<b>Ignition System</b>	Auto Ignition
<b>Automiser</b>	Axial Flow Type
<b>Printer \ PC Interface</b>	Provision for attachment of Dot-Matrix Printer with centronics parallel interface \ USB