

MICROPROCESSOR FLAME PHOTOMETERS

671/672



SALIENT FEATURES

- ✓ Auto Gas Cutoff Facility
- ✓ Auto Flame Failure Detection Facility
- ✓ Inbuilt Thermal Printer (In Model 672)
- ✓ μ 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

- Air Compressor
- Chimney
- Sample Beakers
- Manual



TECHNICAL SPECIFICATIONS

✓ RANGE		
General Range	Serum Range	Urine Range
ppm	meq/l	meq/l
Na : 0-100	0-200 meq/l, 1:100 dil.	0-250 meq/l, 1:100 dil.
K : 0-100	0-10 meq/l, 1:100 dil.	0-100 meq/l, 1:100 dil.
Ca : 0-100	0-10 meq/l, 1:2 dil.	
Li : 0-100	0-2 meq/l, 1:5 dil.	-
Ba : 30-3000	(all meq values are claimed with appropriate dilution)	
✓ SENSITIVITY	General Mode : Na: 0.5 ppm, K: 0.5 ppm, Li: 0.5 ppm, Ca:15 ppm Ba: 30ppm	
✓ FILTERS	Na & K Supplied (Ca, Li & Ba are optional at extra cost) {Ba can be factory fitted only}	
✓ RESOLUTION	0.1 ppm / 0.1 meq.	
✓ REPRODUCIBILITY	< 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.	
✓ LINEARITY	< 2% error when 3 ppm Na/K and 5 ppm Li are set as Maximum Std.	
✓ CURVE FIT ACCURACY	± 2% of FS	
✓ DISPLAY	128 x 64 Graphical LCD	
✓ AVERAGE TIME	In-built in Software	
✓ FLAME SYSTEM	LPG & Dry Oil Free Air	
✓ DETECTOR	Photodiode	
✓ CALIBRATION	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	
✓ GAS CONTROL	Adjustable with knob	
✓ FLAME FAILURE	Auto Detection	
✓ GAS CUTOFF	Automatic	
✓ IGNITION SYSTEM	Auto Ignition	
✓ AUTOMISER	Axial Flow Type	
✓ DIMENSIONS	Instrument : 365 x 245 x 220 mm Approx. (LxBxH)	
✓ PRINTER	Provision for attachment of Dot-Matrix Printer with centronics parallel interface	
✓ PC INTERFACE	USB	
✓ WEIGHT	Main Unit : 8 Kg. (Approx.)	
✓ POWER SUPPLY	230 V AC ± 10%, 50 Hz	