

# LT-672/ LT-671 MICROPROCESSOR FLAME PHOTOMETERS

## PRODUCT FEATURES

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



LCD DISPLAY



STABLE FLAME



SOFTWARE CONTROL SYS.



LOW NOISE COMPRESSOR



USB CONNECTIVITY

## TECHNICAL SPECIFICATIONS

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) optional filter are 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	$\pm 2\%$ 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
Atomiser	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
Power Supply	230V $\pm 10\%$ AC 50hz
Weight	Main Unit : 8 Kg. (Approx.)
Dimension	365x245x220mm (approx)