

# LT-6710 MICROPROCESSOR FLAME PHOTOMETER

## TOUCH SCREEN



### PRODUCT FEATURES

- ✓ Security Features Password Protected
- ✓ 7" Colored TFT with touch screen
- ✓ User Friendly and Menu Driven Software.
- ✓ Direct Results in ppm and meq
- ✓ Auto Ignition Facility.
- ✓ Auto Gas Cutoff Facility
- ✓ Auto Flame Failure Detection
- ✓ Setup Data Storage Facility
- ✓ Sample Data Storage Facility
- ✓ Four Measurements in Single Aspiration
- ✓ Curve Calibration Programmability Using Maximum of 5 Standards
- ✓ Multiple Calibration Curve Saving Facility
- ✓ Data Processing Through Curve Fitting Techniques, Least Square, Quadratic
- ✓ Re-standardization with One Standard Batch-Wise, Date-Wise and Individual Result Data Printing
- ✓ USB Interface to download data to PC
- ✓ Useful for Medical & Soil Testing

### 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 SPECIFICATIONS



Mode	General	Serum	Urine
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 Ba: 0-1000 ppm	Na: 0 – 200 1:100 dil K: 0-10 1:100 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 -
Sensitivity	General: Na : 0.5 ppm, K : 0.5ppm, Li: 0.5 ppm, Ca: 15 ppm; Ba : 50ppm		
Filters	Na & K supplied (Ca and Li optional at extra price)		
Resolution	0.1 ppm/meq		
Reproducibility	< 1% coefficient of variation for 20 consecutive samples using 10 ppm Na set as maximum standard (3% for Barium with 100 ppm sample)		
Curve Fit Accuracy	< 2% error when 3 ppm Na/K and 5 ppm Li are set as max std.		
Display	7" TFT with touch screen		
Average Time	In built in software		
Flame System	LPG and dry oil free air		
Detector	Silicon Photodiode		
Calibration	Up to 5- point calibration with curve fitting software		
Gas Control	Adjustable with knobs		
Flame Failure	Auto detection		
Gas Cutoff	Automatic on power failure		
Ignition System	Auto ignition		
USB	Provision for data transfer to PC		
Power	230 V +10% AC, 50 Hz		
Dimensions	285 x 255 x 210 mm (L x B x H) approx.		
Weight	7.5 kg approx.		
<b>COMPRESSOR UNIT</b>			
Air Supply	By oil free mini compressor unit with pressure regulator		
Combustion	LPG controlled by precision regulator		
Power	230 V +10% AC, 50 Hz		
Dimensions	290 x 255 x 210 mm (L x B x H) approx.		
Weight	8 Kg approx.		



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All Designs And Specifications are subject to change without prior notice.