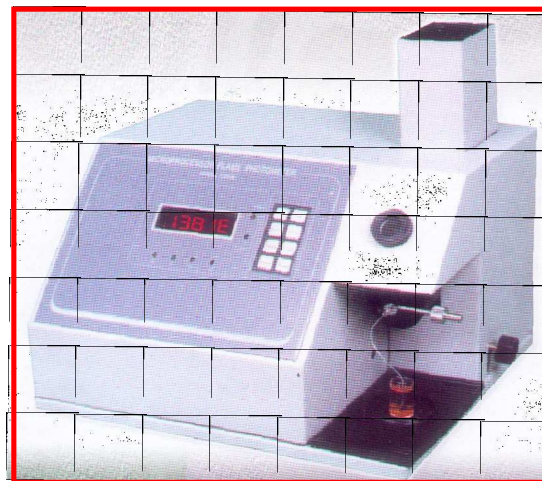


## FLAME PHOTOMETER

- Extremely Useful for Medical and Laboratory use.
- Highly Accurate using Microcontroller technology
- 3 Point Calibration using curve fitting software.
- Direct results in ppm and meq



### Microprocessor Based Flame Photometer, Model 1381E

is an ideal instrument for the determination of sodium, Potassium, calcium and Lithium. The System has 3 point calibration facility using curve fitting software. It has soft touch membrane keys for ease of operation. Air sample and the fuel are mixed in the mixing chamber which is then sprayed as a very fine mist into the flame. The color of the flame is changed depending upon the concentration of elements present. Specific narrow band interference filter which permits only the characteristic radiation to pass to the photo-detector.

### SPECIFICATIONS

	ppm	Serum Meq/l	Urine
RANGE	Na: 0.1 to 100	0.435-435	0.87-870
	K: 0.1 to 100	0.256-256	0.512-512
	Ca: 15 to 100	---	---
	Li: 0.5 to 100	0.724-144.8	---
SENSITIVITY	0.1ppm		
ACCURACY	± 1% up to 40ppm ± 2% above 40ppm		
READOUT	5 digit seven segment bright red LED display		
FLAMESYSTEM	LPG & dry oil free air		
DETECTOR	Photodiode		
CALIBRATION	3 Point calibration		
POWER	230V ± 10% AC, 50Hz		
WEIGHT	8 Kg (Approx.)		
AIR SUPPLY	By oil free mini compressor unit with pressure regulator		
COMBUSTION GAS	LPG		
ATOMISER	Axial Flow Type		
BURNER	Stainless Steel		
STANDARD ACCESSORIES	Sample Holders (5 Nos.), Dust Cover, Mains Lead, Chimney, Capillary Tubes (3 Nos.) Air and Gas Tubing along with End Clamps (1 Set), Cleaning Wire, Instruction Manual.		
PRODUCT RANGE	Microprocessor pH System, Spectrophotometer, Flame Photometer, Water & Soil Analysis Kit, Digital Photo Colorimeters, Filter Photo Colorimeters, Digital pH Meters, Nephelo/Turbidity Meters, K.F. Titrimeters, Digital D.O. Meter, Temperature Indicator, Digital Conductivity/TDS Meter, pH Calibrator, Digital Telethermometer.		



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We are Proud to be AN ISO 9001:2000 Company

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