

MICROCONTROLLER FLAMEPHOTOMETER (LIM-204)

Flame Photometer is used in various industries like chemicals , soils, agriculture, pharmaceuticals, glass and ceramics, in plant materials and water, oceanography, and in biological and microbiological laboratories. It is used in determination of potassium, sodium and calcium in biological fluids like serum, plasma, urine etc, is routinely carried out by flame photometer. Soil samples are also routinely analysed mainly for sodium and potassium and also for calcium and magnesium (after removing other interfering elements) by flame photometer.



TECHNICAL SPECIFICATIONS :

Model : LIM-204	
Range	Na : 0.0 to 100.0ppm, K : 0.0 to 100.0ppm, Ca : 15 to 100ppm (optional), Li : 5 to 100ppm (optional)
Sensitivity	Na : 0.5ppm, K : 0.5ppm, Ca : 1ppm, Li : 15ppm
Display	20 x 4 Alphanumeric backlit LCD display
Ignition System	Self ignition system
Average time	In-built software
Detector	Silicon Photodiode
Calibration	5 point
Nebulizer	Black Bakelite, axial flow type
Nebulizer Air Source	Through oil free compressor
Flame system	LPG (household gas cylinder)
Flame control	Adjustable with knob
Warm UP Time	10 minutes
Power	230V ($\pm 10\%$) AC, 50Hz

