



Flame Photo Meter CL 430



CHEMILINE Flame Photo Meter CL 430 is ideally suitable for detecting the element such as sodium (Na), potassium (K), calcium (Ca) and lithium (Li) For Medical Application.

Principle

The fluid under analysis is sprayed as a fine mist in to a non luminous flame which becomes colored accordingly to the characteristic emission of the elements. This flame is viewed through a narrow band filters the detectors O/P is connected to electronic circuit and to digital display. Which is directly calibrated in Meq./ Lit for both simultaneously for NA and K

System

The fluid under analysis consist of two unit

1. Main unit includes burner and display
2. Compressor unit

The main unit consist of atomizer, mixing chamber, burner, optical filter, detector, digital display, gas regulator etc and the compressor unit consist of air pressure gauge and air regulator delivers oil free compressed air to the atomiser of main unit.

CL 430



• Specifications

Element	Serum	Urine
Sodium	: 100-200 Meq/l (0 :100 Dilution)	0-250 Meq./l (0 :200 Dilution)
Pottasium	: 0-10 Meq./l (0 :100 Dilution)	0-100 Meq./l (0 :200 Dilution)
Calcium	: 0-2meq/ (0 :10 Dilution)	N.a
Lithium	: N.a (0 :2 Dilution)	0-10 Meq./l
Reproducibility	: $\pm 2\%$ & ± 1 Digit	
Min Sample	: 4 Ml	
Detector	: Photo Diode (2 Channel)	
Filters	: Narrow Band Optical Filters Na, K Standard Filter Ca, li Optional Filter	
Aspiration Time	: 30 Sec Approx	
Gas	: (to Be Aranged By End User) LPG Gas With sufficient pressure	
Power	: 230 V $\pm 10\%$	

Labline Technologies Pvt. Ltd.