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# Microprocessor Flame Photometer, Touch Screen

## Product Image



## Description

Catalog No. 100794

Microprocessor Flame Photometer, Touch Screen - Model 6710

## TECHNICAL SPECIFICATIONS

### RANGE

#### General Range

ppm meq/l  
meq/l, 1:100 dil.

K : 0-100

Ca : 0-100

Li : 0-100

Ba : 30-3000

#### Serum Range

meq/l

0-10 meq/l, 1:100 dil.

0-10 meq/l, 1:2 dil.

0-2 meq/l, 1:5 dil.

(all meq values are claimed with appropriate dilution)

#### Urine Range

Na : 0-100 0-200 meq/l, 1:100 dil. 0-250

0-100 meq/l, 1:100 dil.

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### 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)  
{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

± 2% of FS

### DISPLAY

Colored Touch Screen

### 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

### ASPIRATION TIME

3 ml per Minute

### FLAME FAILURE

Auto Detection

### GAS CUTOFF

Automatic

### IGNITION SYSTEM

Auto Ignition

### AUTOMISER

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

### WEIGHT

Main Unit : 8 Kg. (Approx.)

### POWER SUPPLY

230 V AC ± 10%, 50 Hz

## SALIENT FEATURES

- ✓ 7 inches colored touch screen
- ✓ Password protected data login facility
- ✓ Auto Gas Cutoff Facility
- ✓ Auto Flame Failure Detection Facility
- ✓  $\mu$ 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
- ✓ Printer Attachment Facility
- ✓ Measurement in ppm & meq
- ✓ Useful For Both Medical & Soil Testing Applications
- ✓ Setup Storage Facility up to 10 setups files

## STANDARD ACCESSORIES

Air Compressor  
Chimney  
Sample Beakers  
Manual  
Air & Gas Tubing  
USB Cable  
Main Lead

## Disclaimer

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