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# Microprocessor Flame Photometers

## Product Image

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## Description

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Catalog No. : 100106

Microprocessor Flame Photometer - Model 671

## SALIENT FEATURES

- ✓ Auto Gas Cutoff Facility
- ✓ Auto Flame Failure Detection Facility
- ✓ Inbuilt Thermal Printer (In Model 672)
- ✓  $\mu$ 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
- ✓ Online Help Key
- ✓ Printer Attachment Facility
- ✓ Measurement in ppm & meq
- ✓ Useful For Both Medical & Soil Testing Applications
- ✓ Setup Storage Facility up to 10 setups files
- ✓ Supplied with Compressor Unit

## TECHNICAL SPECIFICATIONS

- ✓ RANGE
 

General Range	Serum Range	Urine Range
ppm	meq/l	meq/l
Na : 0-100	0-200 meq/l, 1:100 dil.	0-250 meq/l, 1:100 dil.
K : 0-100	0-10 meq/l, 1:100 dil.	0-100 meq/l, 1:100 dil.
Ca : 0-100	0-10 meq/l, 1:2 dil.	
Li : 0-100	0-2 meq/l, 1:5 dil.	-
Ba : 30-3000	(all meq values are claimed with appropriate dilution)	
- ✓ 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) {Ba can be 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             $\pm$  2% of FS
- ✓ DISPLAY                            128 x 64 Graphical LCD
- ✓ 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
- ✓ 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  $\pm$  10%, 50 Hz

## ACCESSORIES

- Air Compressor
- Chimney
- Sample Beakers
- Manual

## Disclaimer

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The Products details given on this page are indicative in nature and JAPSON reserves the right to change them without prior notice. Buyer is also requested to re-check the specifications and other features of product at the time of order as product development is a continuous process and minor modifications may be made to design based on latest availability, process and design.