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Microprocessor Flame Photometers

Product Image



Description

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)
- ✓ μ 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

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.