TECHNICAL SPECIFICATIONS

Principle Ion Selective Electrode (ISE)

Sample Types Serum, Plasma, Whole Blood, Urine, CSF

Measured Parameters Na⁺, K⁺, Cl⁻, iCa⁺⁺/ pH

Calculated Parameters TCa, nCa < 90µL Sample volume ≤ 60 secs **Analysis Time**

≤ 60 samples per hour **Throughput**

Calibration Automatic Calibration:

• User-defined two-point calibration interval - 4 hours/8 hours/12 hours

• One Point Calibration with each sample analysis

Normal Ranges User defined Normal Ranges for all Sample types with flagging for Abnormal Samples

Data Management Calibration History, Sample History and Control History of last 30 days

Tri-Level Quality Control, with L J Plots of last 30 days **Quality Control**

Display 5" color LCD with Touchscreen Display, Resolution: 480 x 272 pixels

Printer Built-in 2" (48 mm) Thermal Printer, 42 characters wide

USB (Keyboard, Barcode reader, Mouse, Pendrive) **External Interface**

Operating Temp. 15 to 35 °C

Relative Humidity 5 to 85% non-condensing

110 to 240 VAC 50/60 Hz +/- 10%, 35W

+91-22-28257999

Dimensions 365mm x 255mm x 375mm

Net Weight | Sample Storage | 5 Kg | 10,000

Precision

Power Supply

CV % -Na⁺ ≤ 2%, $\leq 2\%$, ≤ 2%, iCa+ ≤ 3%, $\leq 2\%$,

ISE - Tritrol

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ISO: 9001:2015 ISO: 13485: 2016

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ACCURATE | RELIABLE | FRIENDLY INTERFACE



EL-120

ELECTROLYTE ANALYZER

- Na⁺, K⁺ , Cl⁻, iCa⁺⁺, pH
- Calculated parameters: TCa, nCa
- Low sample volume
- Fast sample processing
- Low cost per test

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MKT-BRO-025-00 MKT-BRO-025-00

^{*} Optional Barcode reader & LIS available.

^{*}Specifications are subject to change without the prior notice of manufacturer

AGD EL - 120 is ideal for Medium to High Volume Laboratories and Hospitals. It is user Friendly & Reliable. It also allows measurement of specific ions; Accurately and Precisely. This supports Fast Diagnosis.

MAIN MENU

- Large Graphical Display offers convenience of Operation and Minimizes Errors while Entering Data
- User Friendly Software with Interactive Graphical User Interface
- Shortcut Menu Keys for Easy Operation



ANALYSIS

- Aspiration System: Internal Peristaltic Stepper Motor Pump for Accurate and Precise aspiration of Analytes
- Automatic flushing after aspiration of every sample to eliminate carryover
- Precise & Accurate Result

ELECTRODES

- Electrodes are based on Ion Selective Principle
- Electrodes can be refilled.
- · Long life and Assured Stability
- Individual IFS for stable slope





CALIBRATION

- Two Point Calibration after 4 hrs/ 8 hrs or 12 hrs. Programmable as per user
- One Point Calibration with each Sample Analysis
- · Display Status of Calibration with Date and Time for each parameter
- · Also Displays the Date and Time of next Calibration to be Performed / Due

RUN QUALITY CONTROL

- Levey-Jennings plot of daily and monthly QC data to assess the performance
- Helpful for laboratories incase of Accreditation and Quality Assessment

ISEPak

- Convenient to place ISEPak which contains reagents required for all parameters
- Integrated reagent Pack for testing of All Parameters
- In-Built Reagent Inventory Management Software

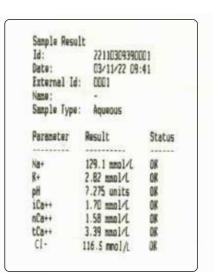
URINE DILUENT AND DEPROTEINIZER

- Urine Diluent: Used for the Dilution of Urine Samples to Quantitatively determine Urine Electrolytes.
- **Deproteinizer**: Used for the Cleaning and Maintenance of Electrolyte Analyzer

ACCURATE | RELIABLE | FRIENDLY INTERFACE

Measuring Range

PARAMETER	SERUM /PLASMA BLOOD / AQUEOUS
Na ⁺	40 - 205
K ⁺	1.5 - 15
CI ⁻	50 - 200
iCa ⁺⁺	0.2 - 5.0
рН	5.0 - 9.0











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*Images are for representation purpose only

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