

Technical Specifications

Methods of Programming

- ◆ Absorbance
- ◆ End Point with standard / factor
- ◆ Two point kinetics (fixed time)
- ◆ Multipoint kinetics
- ◆ Multi standard upto 10 standards

Optical System

- ◆ Principle: Photometry
- ◆ Range of measurement: from 0-2.5 A for 340 nm from 0-3.0 A from 405 nm and upwards
- ◆ Spectral range selection: automatic via filter wheel
- ◆ Filters included are: 340, 405, 505, 546, 578 and 630 nm plus two free position
- ◆ Bandwidth: 10 nm (\pm 2nm)
- ◆ Light source: halogen lamp 12 V 20W
- ◆ Zero: automatic
- ◆ Settings: monochromatic and bichromatic
- ◆ Detector: Silicon Photodiode

Thermostat System

- ◆ Peltier regulated 25°, 30° & 37°C programmed
- ◆ Accuracy: \pm 0.1°C

Cuvettes

- ◆ Flow cell of 33 μ L
- ◆ Removable cuvettes: semi-micro and micro

Printer

- ◆ Type: Graphic thermal printer
- ◆ Characters per line: 384 dots / line
- ◆ Paper: thermosensitive - 57 mm wide
- ◆ Programming: ON / OFF test wise

Screen and Keyboard

- ◆ Screen: graphic LCD Back lit. 240 x 128 pixels
- ◆ Keyboard: tactile Polydome keys

Suction System

- ◆ Continuous flow system with peristaltic pump incorporated
- ◆ Sipping volume can be programmed from 300 μ l to 5.0 ml

Programming

- ◆ Table of tests: up to 200+
- ◆ Table of units: up to 27 units
- ◆ Quality control storage of the last 30 results for each of the keyboard test

Quality Control

- ◆ Levy-Jennings chart using westgard's rules

Power / Dimensions

- ◆ Voltage: 220 V
- ◆ Frequency: 50 Hz
- ◆ Maximum power: \leq 100 VA
- ◆ Temperature: 15-35°C
- ◆ Maximum relative humidity: 75%
- ◆ Height: 16cm
- ◆ Dimensions: 34 cm x 40 cm
- ◆ Weight: 10 kgs

Computer interface

- ◆ RS 232 interface
- ◆ Laboratory software*
- ◆ Storage of innumearable test results using Data Sync software**

Memory

- ◆ upto 2000 results

* Not a standard accessory, to be bought separately

**Total storage depends on the memory available on the customer computer

Technical Specifications subjects to change without prior notice.



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ARTOS ELITA

Versatile Clinical Chemistry Analyzer

- Enzymes
- Hormones
- Substrates
- Therapeutic drugs
- Electrolytes



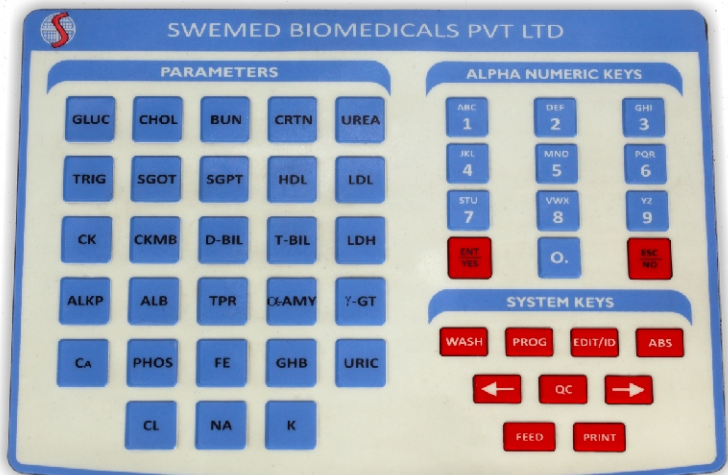
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ARTOS ELITA : A Real Time Operating System in the Lab that makes biochemical assay easy, fast & accurate.

ARTOS ELITA- A Real Time Operating System is the ideal solution for your lab that makes bio-chemical assay fast and accurate.

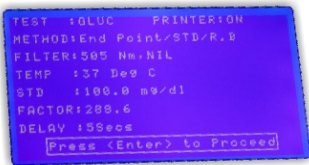
State-of-the-Art Engineering, sophisticated electronics and sub-systems and thoughtfully designed features make ARTOS ELITA a simple and easy-to-use equipment :

- A range of graph displays such as enzymatic reaction curve, calibration curve etc.
- User-friendly messages
- Large graphic display
- Built-in thermal printer that generates sophisticated graph displays of test results.
- Built-in RS 232 interface
- Peltier controlled user programmable temperature settings (25°,30° & 37°C)
- 200+ user program locations & 28 one-touch test buttons.



Key Board

- Direct test keys for routine parameter
- Tactile poly dome key board for long lasting operation



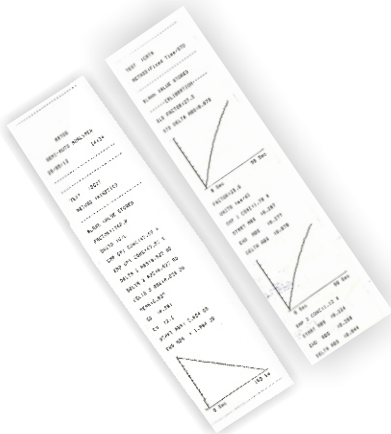
Multi-programming modes

- Turbidimetry
- Absorbance
- Endpoint with standard, factor, sample blank and differential
- Two-Point (fixed time) and multi point kinetics
- Multi standard calibration of up to 10 standards
- Mono or bichromatic reading



Quality Control

ARTOS ELITA offers quality control mode that allows the display up to 30 normal & abnormal values of all keyboard test indicating mean, standard deviation and Levy-Jennings chart using westgard rules.

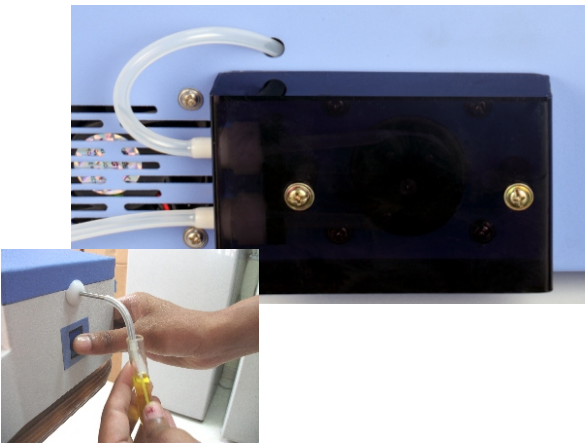


Control and Visualisation

Displays that show Kinetics and calibration curves of multi standards gives you greater flexibility and control during the test that include parameters, results, calibration curves, kinetics. process . The built-in graphic printer offers a range of Print reports

User Friendly

Easy-to-read menu-driven instructions on the LCD graphic display make ARTOS ELITA very user-friendly and simple to use. As many as 28 standard tests can be initiated by a one-touch button.



Aspiration System

Peristaltic pump with automatic bubble purge features assures zero carry over between the samples

Dual Cuvette System

Artos Elita has 33-ul internal volumes flow cell and also allows the use of disposable cavettes

