

ARTOS

Versatile Clinical Chemistry Analyzer

- Enzymes
- Hormones
- Substrates
- Therapeutic drugs
- Electrolytes



SWEMED BIOMEDICALS PVT. LTD.
An ISO 9001 Company

ARTOS: A Real Time Operating System in the Lab

ARTOS - 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 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 Rs232 interface
- Peltier controlled user programmable temperature settings (25°,30° & 37°c)
- 100-user program location & 28 one-touch test buttons.

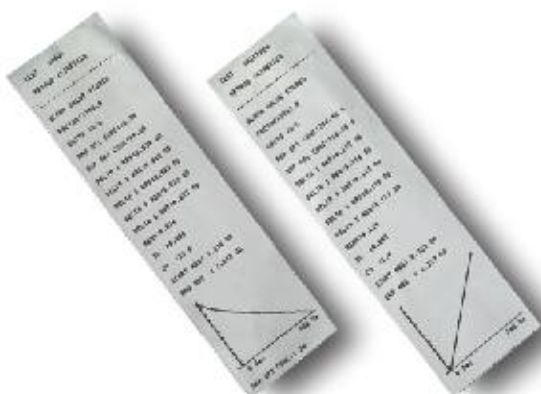


Multi-programming modes

- ◆ 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 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 process . The built-in graphic printer offers a range of Print reports that include parameters, results, calibration curves, kinetics.

What makes biochemical assay easy, fast & accurate.

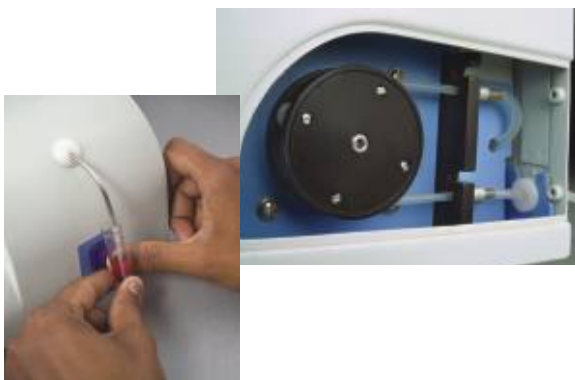


Key Board

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

User Friendly

Easy-to-read menu-driven instructions on the LCD graphic display make ARTOS 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 Cavette System

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



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: therosensitive - 57 mm wide
- ◆ Programming: ON / OFF test wise

Screen and Keyboard

- ◆ Screen: graphic LCD Back lit. 240 x 64 pixels
- ◆ Keyboard: tactile Polydome keys

Suction System

- ◆ Continuous flow system with peristaltic pump incorporated
- ◆ Sipping volume can be programmed from 400 μ l to 5.0 ml

Programming

- ◆ Table of tests: up to 128
- ◆ Table of units: up to 9 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**

* 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.**



SWEMED BIOMEDICALS PVT. LTD.

Site No. 11, Sy No. 29/1, 29/2/ Chunchunghatta Cross
Yelechenahalli, Bangalore-62. Ph No: 080 - 26638720
Email: info@swemedbio.com
URL: www.swemedbio.com

