

REAGENTS & CONTROLS FOR SMARTLAB

To support your instrument a complete range of Enzymatic Single Step Reagent Kits with extended stability, and Assayed Controls for Biochemistry, in easy-to-use pack sizes for SMARTLAB and other chemistry analysers are also readily available.



TECHNICAL SPECIFICATIONS

Photometer
Analytical Mode
Photometric Range
Light Source
Reaction Cuvettes
Reagent Tray
Sample Tray

Test Parameter
Throughput
Quality Control
Display
Data Output
Power Consumption
Physical Dimensions
Interface

Advanced Static Photometer with 8 Filters (340, 405, 450, 505, 546, 578, 630, 670 nm)
End Point, 2 Point, Kinetic, Linear & non-Linear, Mono & Bi-chromatic
0 - 2.5 O.D.
A powerful long life Quartz Halogen Lamp 12V / 20W
Reusable 96 reaction cells in a configuration of 4 x 24 for economy of operation
Capacity for 16 reagents on board with bottles capacity of 27 ml (plastic) or 7 ml (glass)
45 Patient samples can be accommodated on the sample tray.
The controls and calibrators can be designated in any of the 45 positions.
48 Test programmes can be memorised in the instrument
Maximum 120 Tests Per Hour*
L.J. & Westgard
Large CRT for programme display & Curves
Real time print out on built in thermal printer
100 watts, 230V / 110V \pm 10%, 50 - 60 Hz
380 mm (H) x 770 mm (W) x 460 mm (D)
RS-232 port, can be interfaced to any IBM - compatible computer

Specifications subject to change without prior notice
* Test combination dependent

Erba SMARTLAB

Automated Clinical Chemistry Batch Analyser



**There is no other analyser
quite like this!**

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Capabilities

In tune with your needs



- Automated, Bench-top, Programmable Batch Analyser.
- Ideal for Routine Chemistries.
 - 6 Profiles of upto 16 chemistries each to simplify our task of profile management.
 - Flexibility to run both single and two reagent chemistries.
 - Automatic flagging of abnormal samples with exhaustive interpretation messages.
 - Peltier controlled flow cell programmable for 25°, 30°, and 37° C.
 - 18ml Flow cell volume for economical running costs (reagent consumption 250 µl).
 - Programmable wash cycles between samples and tests for minimising carryover.

- 8 Narrow band interference filters in the range 340-700nm to permit a wide variety of applications.
- RS 232 Serial port for computer interface.



- Large soft white CRT display and ergonomically designed multifunction keyboard for fatigue free operation.



- Built-in full graphics printer for instant hard copy of test results including graphs of Kinetic Reactions and Calibration Curves.

Designed

Smartly for your convenience



- Conveniently located peristaltic pump, syringe, water and waste bottles (with level sensors) for easy accessibility and maintenance.



- User friendly software with extensive "HELP" screens designed to minimise programming time and permit quick test runs.



- 96 Re-usable reaction cells in convenient configuration of 4 x 24 provide economy of operation and easy handling.
- Sample tray has 45 positions with flexibility to designate any position as sample, standard or control during patient entry.



- Specially designed reagent tray to accommodate either 27 ml or 7 ml bottles with minimum dead volume to reduce reagent wastage.
- High precision sampling arm with level sensors, to detect absence of reagent / sample with minimum probe contact, practically eliminates carryover.