



COMPACT.
HIGH PERFORMANCE.
32-BIT MICRO CONTROLLER BASED.



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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS

Version No 1.1

CHEM-7
SEMIAUTOMATIC
BIOCHEMISTRY ANALYZER

CHEM-7

Semiautomatic biochemistry analyzer

Open system

Measure principle:
colorimetry, turbidimetry, immunoassays

Optical Module

- Static photometer
- 8 interference filters:
340, 405, 450, 505, 546, 578,
600 and 670 nm
- Silicon photodiode detectors
- Photometric range from 0 to 3.0 OD
- Quartz halogen lamp – 12V, 20W

Measuring Module

- Unique triple cuvette system
 - o 18 µl flow cell (33 µl optional)
 - o 10 mm square cuvette
 - o 6 mm round glass tube
with adapter for coagulation tests
- Peltier temperature control:
20 – 40°C ± 0.1°C
- Peristaltic pump
- Aspiration volume programmable
from 100 µl to 2997 µl

Memory

- 5000 test results

Results recall

- Collated reports by date, ID or both

Printer and Keyboard

- 41 fixed and 6 dynamic keys

10 operation modes

- 1-point linear
- 2-point linear
- 1-point non-linear
- 2-point non-linear
- Rate A linear
- Rate A non-linear
- 1-point sample blank linear
- 1-point sample blank non-linear
- Absorbance
- Coagulation

QC

- Levy – Jennings chart available
for three controls per test
- Daily and monthly QC

Display

- High resolution graphic LCD
320 x 240 with backlight
- View area 120 x 92 mm

Interfaces

- USB B type port for host computer
- USB A type port
for external USB DeskJet printer
- External PC/AT keyboard

Mains Supply

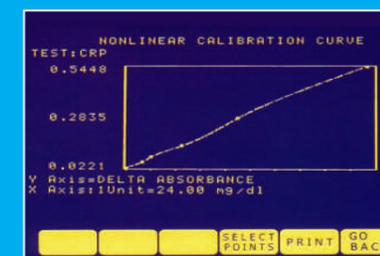
- 115/230V AC (±10%), 50/60 Hz
(input for power adapter)
- External universal SMPS adapter
(18/19.5V; 65/90W)

Size and weight

- Size (mm): 410 (l) x 292 (w) x 195 (h)
- Weight: approx. 7 kg

Optional accessories

- External 16 position dry block incubator
- External battery back-up



Multistandard calibration



16 cell thermostat



Battery



Connection of the keyboard



Printout of reports with external printer