Erba
Mannheim

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

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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
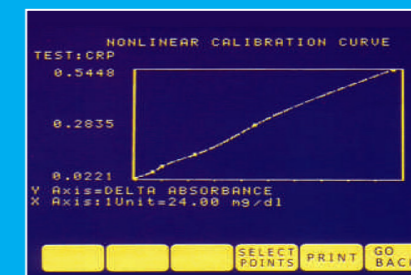
Mains Supply

- 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