



Semi Automatic clinical analyser "Photometer S-2000"

LOW PROFILE FUNCTIONAL CLINICAL ANALYSER.



APPLICATIONS

Clinical laboratories, Clinical Biochemistry, Haematology, E.I.A. Electrolytes and Iones.

FEATURES

47 most commonly used Pre-programmed clinical methods: cholesterol, glucose, blood iron, LHD, AST, UREA etc.
 Storage for up to 134 methods and up to 1000 stored results.
 6 analytical fitting routines: final point, bio-chromatic, regression fit, multi-standard curve, best fit and kinetics.
 Graphic display LCD (640 x 240 pixels, 256 colours).
 Lamp life save function.
 Graphic display.
 Quality control of analysis function.
 Built in printer.
 Control by "roller ball mouse" or "external mouse."
 Temperature conditions: 15 °C to 32 °C: Maximum humidity 85%
 RS232 out put interface.

SPECIFICATIONS

Solid state photodiode detector.
 Bichromatic optical system with 7 filters, 340, 405, 500, 546, 578, 620 and 670 nm.
 Band pass: 10 nm.
 Flow cell: 30 ul.
 Measuring range: from 0.000 to 2.500 ABS.
 Resolution: display 0.001 ABS, calculations to 0.0001ABS.
 Thermostatted Peltier cuvette holder: 25, 30 and 37 °C Precision ±0.1 °C.
 Tungsten halogen lamp of 6V 10 W.
 Comes complete with protective cover, spare lamp and two rolls of printer paper.



MODEL

Part No.	Height / Width / Depth cm	Power rating	Power W	Weight Kg
4120010	14 45 33	110-220V/50-60Hz	150	10

ACCESSORY

Metallic thermostat dry block "BIO-BATH"

Small size with a fixed temperature of 37 °C with check thermometer, 8 tube positions for 75x13 VAC tubes.

Note: Accelerates the extraction of plasma for faster results and waiting time for the patient.

MODEL

Part No.	Height / Width / Depth (exterior) cm	Stability °C	Power W	Weight Kg
7001561	8.8 9.6 7	0.5	8	0.5



SPARE. Halogen lamp 6 V 10 W. Part No. 4312015



Digital colorimeter "Clormic"

MICROPROCESSOR CONTROLLED.
 AUTOMATIC ZERO ABSORBANCE AND 100% TRANSMITTANCE.
 ALPHANUMERIC 20 CHARACTER 2 LINE L.C.D. DISPLAY.

APPLICATIONS

Chemistry Laboratory, quality control, environmental control.

FEATURES

Wavelength range: 400 to 800 nm, by using special filters with a 30 nm band pass.
 12 position Filter disc wheel selection .
 Standard filters: 420, 440, 490, 520, 550, 580, 620 and 680 nm.
 Expanded Absorption range: -0.3 to 3.5 O.D. in real time.
 Transmission: 0 to 100 T %.
 Photometric accuracy: >1 %.
 Photometric precision: ±1 %.
 Photometric stability: 0.004 A/hr.
 Light source: Long life tungsten lamp.

Detector: Solid state.
 Sample chamber: 10 mm cuvettes or test tubes of 12 and 16 mm Ø.
 Minimum volume: 1 ml.
 Display: Alphanumeric LCD display of 2 lines of 20 characters.
 Calculation functions: Transmission T %.
 Absorbance, Concentration by factor or standard concentrations.
 Calibration: Self adjusting by software.
RS-232 interface.

CONTROL PANEL

ON/OFF switch.
 Interactive LCD display.
 Numeric and function keypad.



MODEL

Part No.	Built in printer	Height / Width / Depth cm	Power W	Weight Kg
4120009	NO	11 18 28	10	4.5

SPARE

Lamp of 6 V / 6 mm.
 Part No. **4512009**

COMPLEMENTS FOR THE OENOLOGICAL DISTILLER "DE-1626"

ALL BASIC WINE ANALYSIS WITH A SIMPLE MANUAL EQUIPMENT, COMPOSED OF: OENOLOGICAL ANALYSER PHOTOMETER "M-3000", MICRO-CENTRIFUGE "CENCOM-1" AND DRY-BLOCK THERMOSTAT "ENOBLOC".



Oenological analyser photometer "M-3000"

SMALL BENCHTOP ANALYSER.

FOR COLOR MEASUREMENT, FOLIN-CIOCALTEAU INDEX AND FOR ENZYMATIC ANALYSIS.

APPLICATIONS

With the oenological application photometer, the following determinations can be performed:

1. Wine colouring intensity (absorbances addition at: 420, 520 and 620 nm.)
2. Folin index (polyphenols).
3. Grapes phenolic colour and maturity by means of *Cromoenos*® method.
4. Enzymatic analysis for grape juice, grape juice-wine and wine. Acids: acetic, malic, gluconic and lactic, glucose, fructose and glycerine.

FEATURES

Wavelength range: from 340 to 750 nm, with interference filters with a 10 nm band pass.

Manual filter selection (12 positions filter disc).

Supplied with filters: 340, 420, 520, 620 and 750nm.

Other optional filters possible.

ABS, T% and concentration reading.

ABS reading range: from -0.3 to 3.5 OD.

T% reading range from 0 to 100%T.

Concentration range: from 0.001 to 9.999

Photometric accuracy: 1%.

Precision: ±1 %.

Photometric stability: better than 0.004 A/h.

Light source: halogen lamp 6V/12W.

Cell holder for 10 mm. path length cuvettes.

Internal calibration by software.

CONTROL PANEL

Filter change knob.

Numeric keypad and for functions.

Alphanumeric display with interactive messages.

RS-232 interface for connection to printer or computer.

MODEL

Part No.	Height / Width / Depth mm	Power W	Weight Kg
4120019	11 18 28	35	3



SPARE

Halogen lamp 6 V 12 W.

Part No. 4313040

Note: A visible ultraviolet range spectrophotometer UV-2005 is needed for a total polyphenols index determination (absorbance 280 nm) and the *Cromoenos*® method exact and accurate measurement.
Part no. 4120020. Page: 240

ACCESSORIES

Glass cuvettes 10 mm. path length. 2 units pack. Part No. 5100021

Glass cuvettes 1 mm. path length. 2 units pack. Part No. 4120034

Polystyrene cuvette, semi-micro, 10 mm. path length. 100 units box. Part No. 5100023

Cuvettes adapter of 1 mm. Part No. 4120033

COMECTA Microcentrifuge "Cencom III"

FOR MICROTUBES OF 2,2/1,5, 0,5 AND 0,2 ML.

DIGITAL ELECTRONIC CONTROL OF SPEED AND TIME. ADJUSTABLE SPEED UP TO 14500 r.p.m.

FEATURES

ABS external case.

Maintenance free induction drive motor.

Rubber suspended motor which reduces the vibrations.

High speed microcentrifuge that minimizes the samples over temperature.

Extremely quiet operation.

For 12 microtubes with identification code.

Polycarbonate upper lid.

Peephole on the lid to visualize the centrifuge inside.

CONTROL PANEL

Start switch.

Push button Start/Stop.

LCD display indicating time and speed.

Time selector push button.

Speed selector push button.

Push button ▲ increase different parameters.

Push button ▼ decrease different parameters.

Push button motor drive rotation for quick acceleration

Short/Spin.

Push button open lid when cycle has ended.

MODEL

Part No.	Tubes capacity	Height/ Width/ Depth (exterior) cm	Max. speed r.p.m.	R.c.f.(xg)	Power W	Time selected	Weight Kg
5022010	12	15 21 25	14500	14000	105	till 99' 99"	4



OPTIC
ivymen
SYSTEM

NEW
DESIGN

Comes complete with 12 adapters of 0,5 and 0,2ml.



Metallic thermostat dry block "Enobloc"

APPLICATIONS

To use the enzymatic reagents performing at full capacity, it is recommended to incorporate the thermostat dry-block incubator for tubes/cuvettes at a fixed temperature of 35 °C.

Part No. 7001570

Capacity: 15 cuvettes pathlength 10 mm, which can be macro or semi-micro of 1,5 ml..

MODEL

Part No.	Height / Width / Depth (exterior) cm	Stability °C	Power W	Weight Kg
7001570	11 18 28	±0,5	10	2,4



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<http://www.bioenos.com>

(for analytical applications, please check out the website).