

**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
4120004	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: 235

### 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



## Microcentrifuge "Cencom I"

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

### APPLICATIONS

To guarantee an excellent reproductibility in the enzymatic analysis, it is recommended to centrifuge at 14.500 rpm with 1,5 to 2 ml. tubes, to remove interferences (yeast, bacteria and colouring matter).  
The centrifuge is essential for the grape extract cleaning by means of *Cromoenos*® method.

### FEATURES

see page 108.

### 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
5059600	12	15 21 25	14500	14000	105	till 99' 99"	4



Comes complete with 12 adapters of 1,5-0,5 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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