



MASTERT
BIOCHEMISTRY ANALYZER



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- Performs Endpoint, Kinetic, Fixed Time, Multistandard, Dichromatic assays.
- Open system for user-defined programs.
- Touch screen with integrated alphanumeric keyboard.
- Multilanguage capability, up to 6 different languages (including Chinese characters).
- 200 programmable tests.
- Intelligent worklist management.
- Patient archive.
- 1000 results storing capability.
- Patient name length 16 characters.

- Sample repetition.
- Each test handles 3 different QC values (Quality Control).
- Built-in six position incubation block.
- Integrated pump and flow cell.
- Internal pre-adjusted Peltier element at 25°C, 30°C, 37°C.
- Personalizable aspiration features.
- 16 different QC values storage.
- 25 QC archives with 100 results.
- Results shown on graphic display and printed on paper by built-in printer



TECHNICAL CHARACTERISTICS

Graphic Display:	320x240 (1/4 ofVGA)
Patient name length:	16 characters
Max test storage:	1000 tests
External interface:	- PS2 external keyboard (connection on rear side of instrument) - RS232
Light source:	Halogen lamp -12V, 20W
Photo detector:	Silicon based (range 300-1000nm)
Wavelength:	340nm-630nm.
Wavelength selection:	Automatic via 8-position filter wheel;
6 standard interference filters:	340nm, 405nm, 505nm, 546nm, 578nm, 630nm. Two free positions for optional filters.
Photometric Range:	0-2.5 O.D.
Temperature control:	Peltier elements, 25°C, 30°C and 37°C.
Flow cell system:	32µl flow cell with 10mm light path, interchangeable with disposable macro, semi-micro, or special optical glass cuvettes.
Reading time:	1-999 seconds
Incubation time:	5-999 seconds.
Reaction volume:	500 µL per test.
Printer:	Graphic, 24 characters per line.
Printing sort:	Batch, profile, QC print, Levy Jennings graph curves, Westgard rules
Dimensions:	42 (L) x 38 (W) x 25 (H) cm
Weight:	Kg 11
Power supply:	110/220 AC 50-60 Hz.

CARATTERISTICHE TECNICHE

Ecran graphique:	320x240 (1/4 ofVGA)
Longueur nom patient:	16 caractères
Max.test stockage:	1000 tests
Interface externe:	- PS2 clavier externe (connexion sur l'arrière de l'appareil) - RS232
Source lumineuse:	Lampe Halogène -12V, 20W
Photo détecteur:	Silicon based (gamme 300-1000 nm)
Longueur d'ondes:	340 nm – 630 nm
Sélection longueur d'ondes:	Automatique via roue à filtres 8-positions;
6 filtres interférentiels standards:	340 nm, 405 nm, 505nm, 546 nm, 578 nm, 630 nm. Deux positions libres pour filtres optionnels.
Gamme photométrique:	0-2.5 O.D.
Contrôle température:	Éléments Peltier, 25°C, 30°C et 37°C.
Cuve à circulation système:	Cuve à circulation 32µl 10 mm de parcours optique, interchangeable par des cuves à usage unique macro, semi-micro, ou des cuves en verre optique spécial.
Temps de lecture:	1-999 secondes.
Temps d'incubation:	5-999 secondes.
Volume réactionnel:	500µl par test.
Imprimante:	Graphique, 24 caractères par ligne.
Types d'impressions:	Batch, profil, impression QC, courbes de Levy Jennings, Westgard Rules.
Dimensions:	42 (L) x 38 (P) x 25 (H) cm
Poids:	Kg 11
Alimentation:	110/220 AC, 50-60 Hz.



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