

# METROLAB 1600 DR

CLINICAL ANALYZER



The clinical analyzer that makes  
biochemical assay **easy** and **fast**



**METROLAB**

## Technical Features

### Software and Hardware

Easy access to methods.  
Full patient data.  
Printout of patient reports, profiles, controls and statistics.  
Storage of more than 100 patients and results in memory  
132 programmable tests.  
Built-in graphic printer.

### Optics

Halogen quartz lamp 6V-10W  
Photometric Range: -0.5 - 3.5 Abs  
9 Interference filters positions: 340, 405, 450, 505, 550, 620 and 750 nm  
2 free positions available.

### Detection System

Photodiode 320-1000 nm

### Aspiration System

Peristaltic pump driven by stepper motor.  
Programmable volumen up to 500 ul.  
Carry over <2% for volume > 400ul.  
Automatic cleaning cycle.

### Double Reading System

18 ul-quartz flow cell, thermostated by Peltier.  
Standard holder for macro or semi-micro cuvettes 10 x 10 x 45 mm.

### Temperature Control

Adjustable to 25°, 30° and 37°C. Stability +/- 0.1°C

### Mesaurement Mode

End Point with sample or reagent blank.  
Kinetics.  
Two Points Kinetics.  
Mono- and bichromatic measurements.  
Reaction graphics.  
Linearity checks.

### Calibration Mode

Standard or Factor.  
Factor storage in all methods.  
Nonlinear curve fitting. Up to 10 standard points.  
Authomatic adjustment.

### QC

10 Controls/test.  
L. Jennings Plots.  
High/low flags.



### Operator Interface

25 functions on Display.  
Thermal printer, 24 characters / line graphics.  
20 x 20 characters graphic LCD with backlight.

### Languages

English  
Spanish  
Portuguese

### Installation Requirements

- Electrical Features  
100-240 VAC 50/60 Hz  
150 W

- Dimensions  
32 x 17 x 38 cm  
Weight: 6 kg

### Certifications

CE/ ANMAT  
ISO 9001