

## Photometer

*8 filter photometer with bilirubin metery*



**Clinic III**  
Photometer

Biochemistry analysis is the most common and important ones in diagnostic laboratories. On the other hand because of the existence of the precise and the cost effective photometric methods , photometer systems are known as the best choice for biochemistry. That is the reason of such a spread in use of photometers all over the world. Clinic III is an exceptional photometer with very good features , precise and accurate results , and adaptable with all kinds of biochemistry methods like **Endpoint , Kinetic , Delta (2 point) , Differential** , setting programming , calibrating. Blanking and sample reading on **Clinic III** is very easy and also very complete.

**Clinic III** is equipped with a seven hole 37<sup>0</sup> C incubator for cuvettes consisting of the special reading hole.

System's filter holder consists of 7 or 8 narrow band high quality interference filters.

**Clinic III** is completely online for endpoint and dif test and there is no need for any key pressing when you put the sample in its reading place. For kinetic and delta tests after pouring serum sample in cuvette ( having reagent and placed in reading hole ) only pressing " Read " key is enough for starting an automatic reading process that finished with the announcement of the result. Up to 80 different tests are permanently programmable with the most favorite key pad and LCD operation. Every test program is consisting of the test reading method , test wavelength , factor , standard or calibrator value and some other parameters. Along with all above mentioned Clinic III has two very important and unique features , multiple kinetic and Bilirubin metery.

#### **FEATURES**

- 7 or 8 Interference Filters (340 up to 630 nm)
- Minimum Sample Volume
- Kinetic , Endpoint , delta , Dif
- 7 cell 37<sup>0</sup> C Incubator
- Saving up to 80 Programs in Memory

Interference Filters	340,405,415,450,500,550,578,630 nm
Band Width	< 10 nm
Photometric Accuracy	±1%T
Photometric Precision	0.1%T , 0.001 A
Light Source	Halogen Tungstan
Detector	Silicon Photodiode
Incubator ( 7 Cell)	37°C Thermostatted
Minimum Sample vol	350 µL
Display	2 x 20 LCD
Keypad	Memberane Keypad
PC Connection	RS232 Serial Port
Printer	Centeronic Printer Port
Memory	NVM saving up to 100 Program
Dimensions	42 x 34 x 10 cm (W.D.H)
Weight	6 kg
Power	220 V AC 50/60 Hz

## Multiple Kinetic

This special kinetic reading mode is developed for less time in kinetic tests when you have to do one tests such as " AST " on some samples. In this mode system is able to read up to 6 ( preferably up to 4 ) tests simultaneously.

Operator must only change cuvettes of different samples and put needed sample in the reading hole just at the time of announcement.

# Bilirubinmetry

Beside many unique features on Clinic III bilirubin metery is an exception. Clinic III is able to read "infant total bilirubin" with the least volume (75µl ) and in the least time (<10 sec ).

System uses standard direct (No reagent ) bilirubin metery method.

This method based on photometry in two wavelength of 450 nm and 540 nm and subtracting the resulted absorbance. This method is more accurate than reagent using methods.

There is a special designed adaptor which holds capillary tube ( consisting of about 75 µl infant sample ) and is placed in the reading hole as easy as a regular cuvette.

And then what you do is only pressing the read button.

Calibrating and QC of system is very easy.