



Autotron 240
Automated
Clinical Chemistry Analyser

AUTOTRON 240

Automated clinical chemistry analyser with a throughput of 160 tests per hour, reagent cooling and labour-saving operation.

Features

- Automatic, Random Access
- Open reagent system
- Up to 160 tests per hour
- Reagent pre-heating, liquid level detection
- Automatic 8 steps washing system (optional), Low carry-over
- Labour saving, simple programming, and real walk-away operation
- 24 hours non-stop reagent cooling compartment
- Micro-volume for sample and reagent
- User-friendly software based on Windows Operation System



AUTOTRON 240

-Automated Clinical Chemistry Analyser-



High Precision Probe



8 Step Washing System



Reusable/Disposable cuvettes



Status Menu & QC Graph



Technical Specifications

System Function

Throughput - Up to 160 tests per hour
 Assay types - Clinical chemistry, Immunoturbidimetric
 Analytical modes - End-point, Two-point, Kinetic
 Programming - Open system with user defined programs
 Automatic, Random Access
 STAT sample priority

Probe

Pre-heating for reagent
 Collision protection, Liquid level detection and Inventory checking
 Automatic inner and outer probe washing after every cycle, carry-over $\leq 2\%$

Measuring & Optic System

Halogen lamp
 Absorbance Range - 0-3.500Abs $\pm 1\%$
 Wavelengths - 8 wavelengths from 320-850nm, including 340nm, 405nm, 510nm, 546nm, 578nm, 630nm, 670nm
 Resolution - 0.0001Abs

Working Conditions

Temperature - 0-40°C
 Humidity - $\leq 80\%$
 Water Consumption - Max 3L per hour

Sample Tray

Sample volume - 3 ~ 100 μ L, 0.5 μ L
 40 sample positions
 Any position for standard & quality control setting

Reagent Tray

40 positions for reagents in refrigerated compartment
 Refrigerated temperature - $\leq 16^\circ\text{C}$
 Reagent volume -
 R1: 180-450 μ L, 1 μ L adjustable
 R2: 30-25 μ L, 1 μ L adjustable

Reaction Tray

81 cuvettes (9 cuvettes/strip)
 Reaction volume - 180-500 μ L
 Reaction temperature - 37°C, (fluctuation $\pm 0.2^\circ\text{C}$)
 Independent mixing probe
 Optional cuvette washing - Automatic, 8 steps washing system

Power Supply - AC 110V/220V, 50Hz
 Dimensions - 810mm*680mm*1150mm
 Gross Weight - 145Kg

Prestige Diagnostics U.K. Ltd.
 65 Fenaghy Road, Galgorm, Co. Antrim, BT42 1HW, U.K.
 T: +44 (0) 28 2564 2100 email: info@prestigediagnosics.co.uk
www.prestigediagnosics.co.uk

