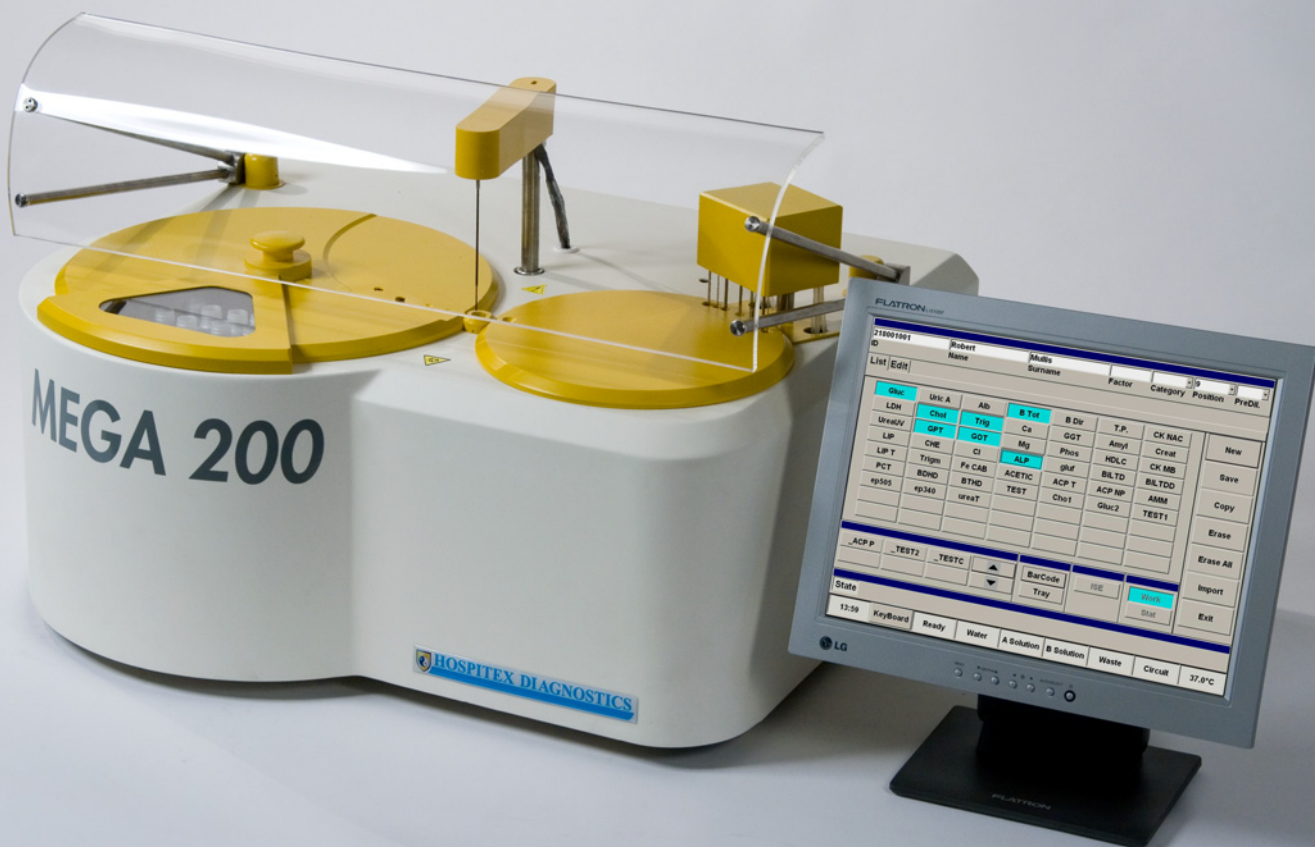# HOSPITEX DIAGNOSTICS



## MEGA 200
### FULLY RANDOM DISCRETE ANALYZER

# MEGA 200
## FULLY RANDOM CLINICAL CHEMISTRY ANALYZER

*Mega 200 is a new direct reading random access clinical chemistry analyzer, a multitasking system which allows high performance and flexibility within a really small and compact instrument.*

Reduced volume reagent consumption combined with an automatic cuvette washing station assures low running costs.
This compact and versatile instrument is designed for emergency, small and medium size laboratories and suitable as essential back-up instrument for central laboratories.



## TECHNICAL CHARACTERISTICS

| | |
|---|---|
| Operative mode: | Random access, STAT, Profile. |
| Throughput: | 200 tests per hour, up to 280 tests with ISE unit (optional). |
| Sample system: | 49 sample plate positions, 49 cup positions for low volume samples/STD/Controls; internal barcode reading; sample volume from 2 µl, primary tubes capability of 5ml (13x75mm) and 7 ml (13x100mm). Programmable automatic pre and post sample dilution rate (AutoDilution), Rerun capabilities. |
| Reagent system: | 25 x 2 reagent positions, modular tanks (100, 70, 50, 20 ml), refrigerated reagent plate compartment, integrated level sensor, anti-crash samplingdevice, internal barcode reader. |
| Cuvette system: | 80 reaction plate positions, 6 mm optical path plastic cuvettes, measuring temperature 37°C, minimum reaction volume 180 µl. |
| Washing station: | 11 needle cuvette washer, water consumption 1.5 L/hour, automatic cuvette quality check. |
| Wavelength range: | 8 available wavelengths 340, 405, 492, 505, 546, 578, 630, 700 nm. |
| Photometric range: | Linearity from 0 to 2.5 O.D., resolution 0.001 A. |
| Analytical modes: | Kinetics, end point (bichromatism option), fixed time, differential, multistandard, graphical plot for all measurements, calculated mode. |
| Quality control: | Up to 6 different controls can be defined for each test, statistics, Levey-Jennings graph, Westgards rules. |
| Bar code reader: | Code 128, Codabar, Interleaved 2 of 5 and other on request. |
| ISE unit: | Na, K, Cl and Li measurements. |
| System: | Industrial Computer, Windows XP® pro, 17'' LCD Touch Screen, Multilanguage capability. |
| System interface: | RS 232 serial interface bi-directional for remote access. |
| Print: | Multi-format prints, full printer compatibility. |
| Environment: | Working temperature from 15 to 32°C, relative humidity from 30 to 80% without condensation. |
| Power supply: | 110/220 V 50-60Hz, 300 VA |
| Dimensions: | (W)65cm x (D)55cm x (H)45cm. |
| Weight: | 31 Kg. |