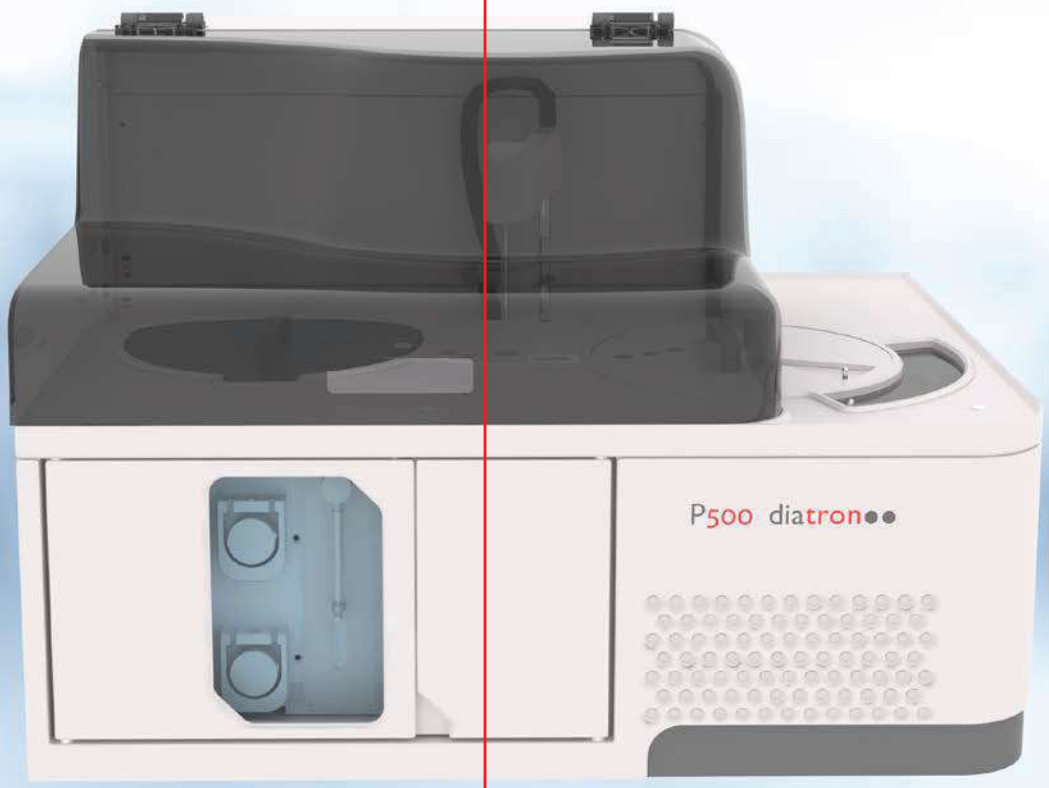
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SPECTRUM

P500

INTELLIGENT WALK AWAY CHEMISTRY



INTELLIGENT WALK AWAY CHEMISTRY

The Diatron P500 is an ergonomically designed, fully automated, random access bench top clinical chemistry system. As a result of its innovative design and advanced Windows-based software, the P500 can achieve a total throughput of up to 480 tests/hour. The P500 offers features usually only higher cost systems have such as uninterrupted workflow, enhanced walk-away operation and remote access diagnostics, which positioning it as a market leading system.

COST EFFECTIVE

Long on-board reagent stability with extensive linearities, low and high volume reagent kits, multi calibrators and controls





P500

FLEXIBILITY

State of the art benchtop system with removable reagent tray, host-query LIMS, remote access capability & diagnostics and intuitive, windows based software

PRODUCTIVITY

Continuous sample and reagent loading with on board capacity of 95 samples (5 racks x 19 position) and up to 72 reagent vials + ISE



RELIABILITY & TRUST

Diatron manufactures high performance analysers with best available quality components

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

- Electrical requirements: 600 VA
- Weight: 115 kg, 253 lbs
- Dimensions (Width x Depth x Height): 88 cm x 70 cm x 66 cm 34.6″ x 27.6″ x 26″
- Water Consumption (l/h): ~ 1.5l (up to 2l depending on usage)
- Computer/SW environment: up to Win 10
- WL Range (340-750 nm): WL Position 12
- Photometric range (linearity): -0.1/3.6
- Optical resolution: 0.0001 ABS
- Optional direct 4-ISE module (installable by service)
- Internal Barcode Reader for samples, sectors and reagents
- Halogen Tungsten lamp life with sleep mode 2000 h
- Sample and reagent precision of syringe at full stroke: 0.05 % CV

GENERAL CHARACTERISTICS

- Small to mid-size labs random access analyser (fully automated)
- Throughput*: Up to 340 tests/h mono reagent
- ISE: Up to 180-240 tests/h
- Temp. controlled cuvette tray via air bath: 37 °C (Adjustable temperature)
- Reaction volume: 180-650 µl
- Sample volume: 1-200 µl
- Cuvette Path/no. of cuvettes on board: 6 mm/80 units, Re-usable Type
- Probe: Multi-Functional w/ Liquid Level, Impact sensor, Mixer Motor, Clot Detector.
- Time to first result(seconds): 45

GENERAL CHARACTERISTICS

- Removable and interchangeable reagent tray
- Refrigerated reagents: 8±2 °C
- Refrigerated on-board single reagent vials: 72
- Up to three different reagents per test
- Continuously monitored loading/access of reagents
- Multiple reagent bottles of the same assay test can be on-board (different lots)
- On-screen inventory management with real time tracking of on-board reagent availability
- Software available in 9 languages

SAMPLE HANDLING

- Primary, secondary tubes and micro-cups for pediatric samples
- Sample Racks/Positions per rack: 5/19
- Samples on-board capacity: 95
- Continuous loading of sample racks
- Real STAT function
- Automatic sample dilution, Reflex Testing
- Post-analytical tasks such as re-running and post-dilution
- Editable complete A4 patient report
- Unlimited/searchable patient records

**The throughput is measured in a period of time between receiving the first and the last result. It will vary depending on the ratio of 1 and 2 steps assays as well as number of ISE tests. The ISE throughput depends on number of channels/electrodes used in the module.*

Analyzer and ISE module

SAP No	Description	Catalogue No
10025007	P500 Analyzer without ISE	P500-1
10025008	P500 Analyzer with direct 4-ISE module	P500-2
10021291	Pictus ISE module (module for upgrading Pictus and P models)	5008

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