

diatron●●

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 420 tests per 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.

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):
90 cm x 66 cm x 62 cm
35" x 26" x 24"
- Water Consumption (l/h): up to 2l
- Computer/SW environment: up to Win 10
- Interferential optical filters (340-750 nm): 12
- Photometric range (linearity): -0.1/3.6
- Optical resolution: 0.0001 ABS
- Optional direct 3-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)
- Maximum throughput with ISE: 420
- Temp. controlled cuvette tray via air bath (min maintenance): 37 ± 0.1 °C
- Reaction volume: 180-650 μ l
- Sample volume: 2-200 μ l
- Cuvette Path/no. of cuvettes on board:
6 mm/80 units
- Probes/Pipettes: 1
- 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
- Post-analytical tasks such as re-running and post-dilution
- Editable complete A4 patient report
- Unlimited/searchable patient records

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
10030037	P500 Analyzer without ISE (open)	P500-1-O
10025009	P500 Analyzer with direct ISE module (open)	P500-2-O

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Diatron reserves the right to change any of the specifications without prior notice. Version Nr. - P500180605USV5

