diatron

SPECTRUM

Pictus 700

THE SMART CHOICE FOR TODAY'S LABORATORY



Pictus 700

ANALYZER OVERVIEW

Diatron's P700 is a fully automated, random access, small footprint, floor standing chemistry analyzer. Innovatively designed with 2 reaction trays and robotic arms, the system can achieve a total throughput of up to 800 tests/hour. The P700 incorporates features usually only found in higher cost systems but without the operating expense.

BENEFITS AND KEY FEATURES

EFFICIENCY
- 95 sample positions
- 72 single reagent positions
- First results within 45 seconds
- Internal optional 4 channel ISE
- Optimized walk away operation

COST EFFECTIVE AND OPTIMIZED WORKFLOW
- Low water consumption (less than 5 l/h)
- Minimal consumable usage
- Real time reagent inventory control
- Real stat sample capacity

EASY TO OPERATE AND LEARN
- Windows based operation system
- Flexibility for reagents application
- Sophisticated features for use and training
- Intuitive post dilution and result checking
- Graphically represented menus – easy to use icons
- Autocal and auto QC features

RELIABLE HIGH QUALITY OPERATION
- ISE, dilutor, pumps from suppliers of proven technology
- Capacitative level sensor
- Clot detector
- Internal BCR for racks, samples and reagents

DIATRON CLINICAL CHEMISTRY REAGENTS

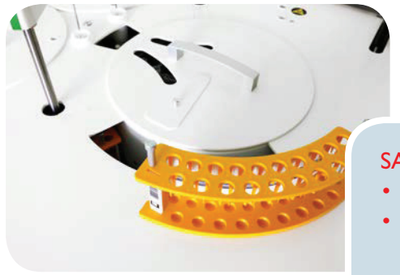
In combination with the analyzer we have over 55 CE-IVD marked tests to offer a comprehensive range of validated high quality Clinical Chemistry reagents, calibrators and controls. Our tests include substrates, enzymes, electrolytes, lipids, specific proteins and special tests.



REAGENT TRAY
- 72 position removable reagent tray
- Onboard refrigerator
- Barcoded reagents



WASH SYSTEM
- Optimized washing system
- Automatic cuvette check prior to use
- Reusable cuvettes for low operating cost



SAMPLE TRAY
- 95 (5 x 19) position barcoded sample racks
- Compatible with many sizes of primary tubes and micro tubes
- Uninterrupted workflow



MULTIFUNCTIONAL PROBES
- Clot, crash and liquid detection on both probes
- Pre-heated probe for faster test times
- Variable intensity mixer

SPECIFICATIONS

THROUGHPUT

- Up to 600 photometric tests/hour, max. 800 tests/hour with optional ISE unit

SAMPLES AND REAGENT

Samples

- Sample volume: 2 to 100 µl/test
- On-board: 95 (Continuous Loading) ID barcode equipped positions for routine, stat and control samples and standard solutions
- Primary tubes, secondary tubes

Reagents

- Maximum number of reagent vials: 72
- 1 to 3 reagents, 2 to 480 µl/reagent volume each, total volume 180 to 650 µl/test
- 1 to 3 reagents, 2 to 480 µl/reagent volume each, total volume 180 to 650 µl/test
- Reagent vial sizes: 25, 45 and 70 ml
- Barcode Reader for reagents

Reaction

- Water consumption: Less than 5 l/hour
- Reaction cuvette: 160 reusable PMMA 6 mm light path cuvettes
- Reaction temperature: 37 °C +/- 0.1 °C

SYSTEM CHARACTERISTICS

- Factor or wide selection of calibration modes
- Priority selection by sample (profile) or by reagent (batch)
- Automatic curve fit
- Routine, batch, STAT, profiles
- Automatic sample dilution of abnormal levels, excessive substrate consumption and/or lack of linearity
- Automatic backup procedure
- Auto re-run
- Automatic pre-dilution and post dilution (ratio 1:2 to 1:100)
- Continuous sample loading

QUALITY CONTROL

- Full quality control: Levey-Jennings plots, Westgard multi-rules and twin Youden plots

DATA MANAGEMENT

- Bidirectional LIS interface, RS-232C, ASTM E-1381

POWER REQUIREMENTS

- 100-240 V, 50/60 Hz, 1,4 kVA

DIMENSIONS

- Size (Width x Depth x Height):
  97 cm x 67 cm x 100 cm
  38″ x 26″ x 39″
- Weight : 190 kg, 419 lbs

MEDICA ISE MODULE

- Na^+, K^+, Cl^-

PC REQUIREMENTS

- WindowsTM 7, 8.1 or 10 computer, 4 GB RAM, 500 GB HDD, DVD-ROM drive, min. 17″, 1024 x 768 resolution monitor, keyboard, mouse, 2 RS-232 ports or 2 USB/RS-232 converters, USB ports

PRINTERS

- Most printers supported by Windows can be connected

Analyzer and ISE module

Description	Catalogue No	SAP No
Pictus 700 Fully automated chemistry analyzer	P700-1	10025301
Pictus 700 with ISE - Fully automated chemistry analyzer with direct ISE module	P700-3	10025302
Pictus ISE module (module for upgrading Pictus and P models)	5008	10021291

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