



Pointe Brand: Portable, Bench Top Clinical Chemistry Analyzers For The Academic Market

Superior Solutions to Help Support and Grow Your Medical Technology Program

MedTest  [®]

Your partner for certified testing technologies

High Degree of Ergonomics and Quality to Meet the Requirements of Today's Modern Teaching Facilities

For over 30 years, Universities and Colleges across the United States have relied on Pointe branded clinical chemistry analyzers, by MedTest Dx, to support and grow their Medical Technology Programs. The Pointe brand analyzers are optimally designed to provide students the hands-on clinical laboratory experience required to become Medical Technicians, Technologists and Scientists within the healthcare industry.



Pointe 180™
Semi-Automated Analyzer



Pointe 180™ Quick Touch (QT)
Semi-Automated Analyzer*



Pointe 180 II™
Semi-Automated
Analyzer*



Pointe Impulse™
ISE Electrolyte
Analyzer*



Pointe Arkay Spotchem Dry Chemistry
Automated Analyzer

Key Solutions:

- Pointe 180™ Semi-Automated Analyzer
- Pointe 180 II™ Semi-Automated Analyzer*
- Pointe 180™ Quick Touch (QT) Semi-Automated Analyzer*
- Pointe Impulse™ ISE Electrolyte Analyzer*
- Pointe Spotchem Dry Chemistry Automated Analyzer

Key Benefits:

- Options for several teaching requirements
- Cost effective and durable
- Compact and lightweight
- Wet and dry chemistry options
- Continuous technical and service support

*Not available for clinical human blood testing in the US



Pointe 180

Catalog: 90.P5025-180

Product Description:

The Pointe 180™ is a small, semi-automated bench top chemistry analyzer that can read and calculate results of endpoint, initial rate, kinetic rate and batch kinetic assays. The analyzer can use single point calibration by standard/factor, multi-point calibration with point to point curve fit, percent absorbance and rate by standard or factor. It is equipped with graphic software, 37 °C on-board incubator with 12 positions and a built-in printer.

Key Features:

- Intelligent User Interface: Automatic flagging of abnormal test results
- Regulatory Requirements: CE Marked
- Environmentally Friendly: Automatic lamp shutoff after 15 minutes of non-use

Specifications

Method:	End point, kinetic, bichromatic	Removable Flow Cell:	No
Measurement Range and Accuracy	0.0 to 2.50 Absorbance Units (A) ± (1% of the reading + 0.005 A) at 1.5A ± (2% of the reading + 0.005 A) at 1.5-2A	Min Sample Volume:	1 mL for 12 mm tube
Measurement Reaction Temp:	37 °C	Patient Storage Data:	up to 69 tests in Op Manual
Sample:	Whole blood, serum, plasma	Vessels:	12 mm round is standard
Light Source:	Tungsten halogen lamp with lamp-saver feature	Printer:	Built-in thermal dot matrix
Wavelengths:	6 filter wheel (340-600 nm)	Display Type:	Alphanumeric, 16 character, LCD
Filter Type:	Multiple-cavity sealed interference	Voltage:	110-120/220-240 VAC from 50 to 60 Hz
Calculation Modes:	Single point calibration by standard or factor, multipoint calibration with point to point curve fit, multipoint percent absorbance rate standard or factor	Dimensions (LxWxH):	9.5 x 13.25 x 3.75 in (24 x 34 x 10 cm)
Throughput:	Reads, calculates and prints results in 3 seconds	Weight:	Approximately 10 lbs. (4.5 Kg)
Positions:	Built-in 37 °C incubation block with 12 stations		



Pointe 180 II *

Catalog: 90.P3304-180

Product Description:

The Pointe 180 II™ is a small, semi-automated bench top chemistry analyzer designed to read and calculate the results of in-vitro clinical diagnostic assays on human serum, plasma, or urine as well as any other application requiring absorbance or concentration readings. It is equipped with a built-in vacuum pump, external waste bottle with level sensing, removable flowcell, graphic software, 37 °C on-board incubator with 18 positions and a built-in printer.

Key Features:

- Easy Operations: On-board printer is capable of creating, storing and printing work list and patient reports
- Intelligent User Interface: Automatically stores data for Levey-Jennings plots
- Cost Saving: Removable flowcell option for reduced reagent consumption

Specifications

Method: End point, kinetic, bichromatic

Measurement Range and Accuracy: - 0.5 to 3.0 Absorbance Units (A) ± 3 nm

Measurement Reaction Temp: 37 °C

Sample: Whole blood, serum, plasma

Light Source: Tungsten halogen lamp with lamp-saver feature

Wavelengths: 6 filter wheel (340-630 nm)

Filter Type: 4-cavity interference

Calculation Modes: Absorbance, single standard (differential samples), factor mode (differential samples), multi-standard mode up to 7 standards (differential samples), (multi-standard) % ABS up to 7 standards (differential samples), kinetic mode consecutively simultaneously (factor or standard), fixed time kinetic (factor or standard), index mode

Throughput: Reads, calculates and prints results in 3 seconds

Positions: Built-in 37 °C incubation block with 12 stations

Channels: 120 open

Removable Flow Cell: Yes

Min Sample Volume: 250 µL

Patient Storage Data: 512 patient results, 20 worklists, 15 tests/patient

Vessels: 12 mm round is standard 1 cm square cuvette

Printer: Built-in thermal dot matrix

Data Input: 20 keypad or PS2 101 keyboard with connector on the back

Warmup Time: 90 seconds photometric, 15 minute for temperature compartment

Display Type: Alphanumeric, 16 character, LCD

Voltage: 110-120/220-240 VAC from 50 to 60 Hz

Dimensions (LxWxH): 9.45 x 13.39 x 3.94 in (24 x 34 x 10 cm)

Weight: Approximately 14 lbs (6.4 Kg)

* Not available for human clinical blood testing in the US



Pointe 180 QT * (Quick Touch)

Catalog: 90.P4504-QT

Product Description:

The Pointe 180 Quick Touch™ (QT) is a compact, microprocessor controlled chemistry analyzer that can read and calculate results of endpoint, kinetic, initial rate and colorimetric assays. It is equipped with an interactive touch screen LCD interface, removable flowcell, 37 °C on-board incubator with 12 positions and a built-in printer.

Key Features:

- Easy Operations: Interactive touch screen LCD
- Intelligent User Interface: On-board curve fitting software and built-in printer
- Cost Saving: Removable flowcell option for reduced reagent consumption

Specifications

Method: End point, kinetic, bichromatic

Measurement Range and Accuracy: 0.0 to 3.0 Absorbance Units (A)
± 1% of the reading + 0.005A

Measurement Reaction Temp: 37 °C

Sample: Serum, plasma, urine

Light Source: Tungsten halogen lamp with lamp-saver feature

Wavelengths: 6 filter wheel (340-620 nm)

Filter Type: IAD hard coat interference, 10 nm half bandpass

Calculation Modes: All modes kinetically, absorbance, factor, standard, point-to-point, regression, cubic spline

Throughput: Reads, calculates and prints results in 3 seconds

Positions: Built-in 37 °C incubation block with 12 stations

Removable Flow Cell: Yes

Min Sample Volume: 1 mL for 12 mm tube

Patient Storage Data: up to 100 measurements

Vessels: 12 mm round is standard 1 cm square cuvette

Interface: USB mouse, USB 2.0 compatible

Memory: 768K bytes flash memory, 512K static RAM memory

Microprocessor: eZ80, 64K EEPROM

Printer: Built-in thermal dot matrix

Display Type: Interactive touch screen 3.5", LCD

Voltage: 115V or 230V AC, 1.5A, 50-60 Hz

Dimensions (LxWxH): 9 x 13.25 x 5 in (24 x 34 x 10 cm)

Weight: Approximately 10 lbs. (4.5 Kg)

* Not available for human clinical blood testing in the US



Pointe 180 Impulse™

Catalog: 90.P3900-180

Product Description:

The Pointe 180 impulse™ is an ISE electrolyte analyzer specifically designed for the direct determination of Na⁺, K⁺ and Cl⁻ by ion selective electrodes in whole blood, serum, and aqueous QC material. It is equipped with an interactive touch screen LCD interface and a built-in printer.

Key Features:

- Safe Operations: SMART Software provides warning, reminders and error messages
- Intelligent User Interface: Automatically stores data for Levey-Jennings plots
- Simplicity: Downloadable troubleshooting ability for off-site support and analysis

Specifications

Method: Direct measurement by ion selective electrode

Measurement Range and Accuracy:
 Sodium = 40 - 205 mmol/ L
 Potassium = 1.5-15.0 mmol/ L
 Chloride = 50-200 mmol/ L

Throughput: 48 tests/ hr. without printing, 45 tests/ hr. with printing

Electrodes:
 Sodium (Na⁺) Electrode
 Potassium (K⁺) Electrode
 Chloride (Cl⁻) Electrode

Min Sample Volume: 60 µl ± 5 µl

Patient Storage Date: up to 200 tests (capability to assign a 15 character patient identifier)

QC Data Storage: 270 readings (30 readings each of 3 controls for each of the 3 electrodes, include Levey-Jennings)

Sample Probe: 316 stainless steel

Calibration: Automatic at 4 hour intervals and on demand

Vessels: Tubes up to 75mmH, syringes, sample cup

Printer: Thermal dot matrix with graphic capability

Interface: Indirect via USB Drive (included)

Display Type: Interactive touch 3.5" LCD screen

Voltage: 100-240 VAC, 50-60 Hz, 90W max

Dimensions (LxWxH): 14 x 12 x 8 in (35.5 x 30.5 x 20 cm)

Weight: Approximately 14.5 lbs (6.6 kg)

Pointe Arkray's Spotchem Dry Chemistry Analyzer

Catalog: SP-4430



Product Description:

The Pointe Arkray's Spotchem is a fully automated, portable bench top chemistry analyzer that utilizes dry chemistry technology. With versatile testing capabilities, the analyzer allows users to run panels, single tests or a combination of tests on whole blood, serum or plasma. It is equipped with an on-board centrifuge which eliminates sample pre-treatment and a built-in printer.

Key Features:

- Fast Patient Care: Built-in centrifuge eliminating sample pre-treatment
- Easy Operation: Fully automated with walk away capability
- Versatile Testing: Capable of running panels or single tests

Specifications

Method: Optical measurement of reaction intensity of reagent color

Sample: Whole blood, serum, plasma

Throughput: 48 tests/ hr

Light Source: LED and interference filter

Wavelengths: 405, 550, 575, 610 and 820 nm

Min Sample Volume: 250 µl whole blood, 100 µL serum

Simultaneous Measurements: 3 single reagent strips and/ or 1 multi reagent strip

Reagent Reaction Temperature: 37 °C

Calibration Method: Calibration by magnetic card

Patient Storage Data: Up to 100 tests

Printer: Built-in thermal dot matrix, 36 characters

Display Type: 20 digit x 2 lines LCD

External Output: RS-232C interface

Voltage: 110-120/220-240 VAC from 50 to 60 Hz

Dimensions (LxWxH): 13.5 x 8.0 x 6.5 in (33.8 x 20.3 x 16.7 cm)

Weight: Approximately 12 lbs. (5.4 kg)



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RE-5025-01.2

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