

***promea***<sup>®</sup>



ISO 9001:2015  
QUALITY MANAGEMENT SYSTEM

ISO 13485:2016  
MEDICAL DEVICE QUALITY MANAGEMENT

# PA - 200

Clinical Chemistry Analyzer



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## Technical Specifications

Parameter	Specification & Features
Operating System	Linux
Assay Modes	End Point, Fixed Time, Fix Time with multi standards, Kinetic, Kinetic with Standard, Multi Standard, Absorbance.
Calibration types	Linear, Multi Point Non-Linear
Programmable Tests	Up to 200, Pre-programmed & Editable
Light Source	12V/ 20W, Current limit lamp circuitry to enhance lamp life
Measurement Methods	Monochromatic and Bi-chromatic
Range of Absorbance	0- 3.0 Abs
Flowcell	32 µl
Flowcell Temperature	Variable Temperature 37°C, 30°C, 25°C
Wavelengths	8 filters: 340, 405, 450, 505, 560, 600, 635, 670 nm (One position optional)
Processor	Raspberry Pi Compute Module 4 (Cm4)
Memory	1GB RAM, 8GB eMMC
Storage	Patient Reports and Daily QC: >200000
Result Reports	Collated by ID, date and Test
Quality Controls	Daily and Monthly for 3 levels with L J Plot & Logit Log
Aspiration Volume	200-1000 µl (Aspiration by Peristaltic Pump)
Display	7inch Color Display with Capacitive Touch Screen
Incubator	Inbuilt Incubator: 8 position for standard round test tubes or External Incubator: 12 Position test tubes and 2 positions for Coagulation Temperature: fixed at 37°C
Printer	In-built Thermal Printer and External Printer, interface via USB
PC Communication	Unidirectional LIS through Rs232
USB Interface	For External Printer, Keyboard, Mouse and Mass storage device like pen drive for data backup, Software update at customer / end user site, Handheld barcode reader (optional)
Photodetector	Filter Wheel based rotating type Using Stepper Motor
Coagulation	Optional, as required by customer
Input Supply	12V 6A Desktop Adapter

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📍 Manufactured by:

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