

Diamond

Semi Automated Coagulation Analyzer



Technical Specifications

Electronic Design and Instrument Intelligence	Micro-processor based technology with flash-memory
Photometrical Source	Solid state, multi-wavelength Optoelectronic device
Measuring Principle	Photometric with clotting algorithms or using absorbance procedures (end-point or kinetic methods, initial rate) for chromogenic and immunological assays. Only Clotting algorithms are currently applied in Diamond
Pre-Programmed Tests	PT, APT, FIBRINOGEN, THROMN TIME calibrated for the Reagents and Controls*
QC Program	On board for all parameters, QC Normal and QC Abnormal data storage, editing and - reporting with mean, SD and CV calculation.
Patient Data Profile	On board
Operator Guidance	Information on bottom of the display to guide the user through all tasks of routine measurement, calibration or QC handling
Curve Storage	On board to store all curve data points for PT % Activity and FIBRINOGEN measurement
Reading Volumes	Minimum 150 µL, Max - 400 µL
Required Measuring Time	Parameter dependent - Minimum 5 sec, Maximum 400 sec
Data Transfer / Printout	Blue tooth connection for computers or peripherals to facilitate printout or host connection! External printer available
Dimensions and Weight	W 175 mm, D 240 mm, H 75 mm Weight 1.5 Kg
Environmental Operating Conditions	Temperature: + 15 to + 35 C; Humidity: 20% to 80% uncondensed Altitude: up to 2000 meters; Use in internal environment only
Curettes	Dedicated Disposable plastic curettes, packed in bags of 1000



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