

GLOBAL 300/⁶⁰⁰_{with ISE} & 400/⁷⁰⁰_{with ISE}

An ideal analyzer for the analysis of drugs, enzymes and all other biochemical tests.

Clinical Chemistry Analyzer

The Perfect Partner in your Lab

the new generation



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Quality System Certified Company
UNI EN ISO 9001 - UNI CEI EN ISO 13485

Technical Specifications

300/600
with ISE

Principle of Operation	Random/Continuous Access
Reading Mode	Absorbance
STAT Function	Possibility of entering and processing samples at any moment during the routine.
Type of Analysis	End Point with continuous monitoring. Reagent Blank absorbance control. Kinetic reactions with Linear Regression. Sample Blank absorbance control. Initial Rate reactions (2 points kinetic). 5 models for nonlinear calibrations. Automatic recalculation of calibration curves from raw data. Bi-chromatic reactions. Differential reactions (with sample blank).
Samples Tray	70 positions for samples in secondary cup or 40 positions for primary tubes. 10 Positions for Calibrators and Controls.
Reagents Carousel	30 positions for mono - reagents (55ml) or bi-reagents (13 ml + 40 ml) with Barcode Reader possibility, 60 positions for single liquid reagents without Barcode Reader possibility. Reagents cooling system.
Calibration	User definable Calibration Interval Linear and Non-Linear Calibration (up to 6 points)
Reading Carousel	50 plastic optical cuvettes (path 0.6 mm) - Automatic 5 steps washing station - Temperature controlled at 37°C ± 0.1°C by means of liquid circulation.
Optical System	Interference Filters Photometer with available wavelengths from 340 to 700 nm (340 - 380 - 405 - 450 - 505 - 546 - 570 - 520-700) -Bandwidth ± 2 nm on 340 e 380 filters and ± 10 nm on other filters - Absorbance's linearity from 0.0005 Abs to 3.0 Abs.
Throughput	300 tests / hour (Global 300) 600 tests / hour (Global 300/600 with ISE).
Sampling System	SIP & DIP sampling system with capacitive level detector - Pre-Heating serpentine for reagents - Accuracy in delivery 1% for steps of 1 µl.
Peripherals	External Computer for data management with software running under Windows XP 2000 © Bi-Directional On Line interface RS 232C.
User Interface	Indication on Display for the samples Load List - Diagnostic System for technical service - Help On Line function.
Operating Environment	Environmental Temperature 15° to 32°C; Relative Humidity: Max 70% at 32°C.
Power	Volt 115/230 AC ± 6%. Frequency: 50/60 Hz Power consumption: 350 Watt.
Dimensions and Weight	123 (L) x 83 (D) x 68 (H) cm - 67 Kg.
Options	ISE module Na/K/Cl or Na/K/Li (Global 300/600) Stand Floor Cabinet-Barcode Reader.

400/700
with ISE

Principle of Operation	Random/Continuous Access
Reading Mode	Absorbance
STAT Function	Possibility of entering and processing samples at any moment during the routine.
Type of Analysis	End Point with continuous monitoring. Reagent Blank absorbance control. Kinetic reactions with Linear Regression. Sample Blank absorbance control. Initial Rate reactions (2 points kinetic). 5 models for nonlinear calibrations. Automatic recalculation of calibration curves from raw data. Bi-chromatic reactions. Differential reactions (with sample blank).
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Throughput	400 tests / hour (Global 400) 700 tests / hour (Global 400/700 with ISE).
Sampling System	SIP & DIP sampling system with capacitive level detector - Pre-Heating serpentine for reagents - Accuracy in delivery 1% for steps of 1 µl.
Peripherals	External Computer for data management with software running under Windows XP 2000 © Bi-Directional On Line interface RS 232C.
User Interface	Indication on Display for the samples Load List - Diagnostic System for technical service - Help On Line function.
Operating Environment	Environmental Temperature 15° to 32°C; Relative Humidity: Max 70% at 32°C.
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Dimensions and Weight	123 (L) x 83 (D) x 68 (H) cm - 67 Kg.
Options	ISE module Na/K/Cl or Na/K/Li (Global 400/700) Stand Floor Cabinet-Barcode Reader.