



Instrument Dimensions

Analyzer	Height		Depth	Width	Weight
	31.4 in 80 cm [43 in, 109 cm with top cover opened] [24.2 in, 61.5 cm without control unit]		29.4 in 74.5 cm	47.2 in 120 cm	375 lbs 170 kg
	31.4 in 80 cm [43 in, 109 cm with top cover opened] [24.2 in, 61.5 cm without control unit]		37.4 in 95 cm	67 in 170 cm	529 lbs 240 kg

Electrical Requirements

Environmental Conditions

Temperature	During measurement 18 °C to 32 °C (64.4 °F to 89.6 °F)	During transportation and storage
Temperature variation	Max. ± 2 °C/hour (Max. ± 3.6 °F/hour)	
Humidity	20% to 80%	5% to 95%
Indoor use only		
Altitude up to 2000m		

Free from excessive dust and well

ventilated Not exposed to direct sunlight

Well apart from a machine generating electromagnetic noise or electromagnetic wave interference (such as centrifuge, electric discharge machine, mobile telephone, transceiver, cordless telephone, etc.)

Noise Level (DIN 43635)

Stand-by level	60 dBA
Operation level (average)	63 dBA
Operation level	70 dBA

Water Supply

Water container	3 Liters
Water requirements	< 10 µS/cm or > 0.1 megohm, bacteria-free
Water consumption	approx. 3 L for 250 tests approx. 12 mL/cycle



Liquid Waste

Liquid waste container	4 Liters
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Throughput Rate

Assay measurements	max. 85 tests/hour
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Sampling System

Sample/Reagent pipetter principle	conductive disposable tip handling	
Sample volume per test	10 µL to 50 µL	
Sample detection	Liquid level detection and clot detection	
Sample loading capacity	 <p>Figure 1.2-1 30 positions for samples, controls and calibrators</p>  <p>Figure 1.2-2 tray - 15 racks with 5 positions each for samples, controls and calibrators = 75 tray with input buffer - 20 racks with 5 positions each = 100</p>	
STAT capacity	 <p>Figure 1.2-3 any unoccupied position on the sample disk</p>  <p>Figure 1.2-4 STAT position at the front of the analyzer</p>	
Bar code symbologies	PDF417 NW7 (Codabar) Code 39 Code 128	
AssayTips	360 tips (3 trays; 120 tips/tray)	
AssayCups	180 cups (3 trays; 60 cups/tray)	
Sample cups	2 mL (Standard) Hitachi cup; NO micro cups	
Primary sample tubes	13 x 75 mm	16 x 75 mm
(external diameter x height):	13 x 100 mm	16 x 100 mm

Reagent System

Incubation System

Incubator capacity	32 AssayCups
Volume of AssayCups	200 μ L
Incubation temperature	37.0 °C \pm 0.3 °C (98.6 °F \pm 0.5 °F)

Measuring System

Measuring method	integral measuring of an electrochemiluminescence signal
Calibration mode	2-point calibration
Test protocols	28 test methods
ProCell consumption	approx. 2 mL per cycle
CleanCell consumption	approx. 2 mL per cycle
Cycle time	42 sec.

Control Unit

Compact flash card	
Host interface	CCITT V. 24/RS-232-C (bidirectional) The host computer should comply with the requirements of IEC (60950).
External printer	Connected via the USB port
Optional module	Laboratory System Manager (LSM)
Touchscreen monitor	38 cm (15 in) color TFT-LCD, XGA