

TECHNICAL SPECIFICATIONS

OPERATIONAL CHARACTERISTICS

Parameters	Na ⁺ , K ⁺ , Cl ⁻ , Ca ²⁺ , pH, Hct
Calculated parameters	nCa ²⁺ , tHb(c), 24 h urine
Min. sample volume	20 µL
Sample type	whole blood, serum, plasma, urine (undiluted)
Sample container	sample tubes, syringes, capillaries (no adapter required)
Time to result	25 s
Throughput	typ. 104 samples / hour
Wet-up time	30 min (new cartridge installation)
Measurement method	direct ISE

ALL-IN-ONE CARTRIDGE

Number of samples	100, 150, 300, 600
On-board stability	42 days
Storage temperature	+2 °C to +25 °C
Shelf life	9 months

QUALITY CONTROL

Integrated on-board QC (oQC)	3 levels
oQC measurements / Level	30, 30, 50, 60
Manual QC	3 levels
Sensor monitoring	continuous sensor signal monitoring
QC-Trend visualization	Levey-Jennings-Chart
Proficiency testing / External Quality Assurance	3 rd party external quality control measurements possible

CALIBRATION DATA

Calibration	automatic 2-point cal
Duration	30 s
Interval	4, 8, 12 h (configurable)

INTERFACE

Touch Display	7" TFT
Resolution	800 x 480 px
Ethernet	RJ45
USB flash drive	2 USB ports (2.0)
Barcode reader	optional
WiFi dongle	optional

STORAGE CAPACITY

Patient results	500.000
QC & Calibration data	min. 24 months
Operators	100

COMMUNICATION

Data exchange	LIS
Protocol	LIS2-A2 protocol (ASTM)
Remote access	screen sharing

ADDITIONAL INFORMATION

Printer	built-in 2" thermal printer (easy load)
Dimensions (W x H x D)	20 x 31 x 28 cm
Instrument weight	4.0 kg
In-use weight	4.7 kg

POWER REQUIREMENTS

Voltage	100 – 240 V
Power	mean 15 W; max. 60 W
Frequency	50 / 60 Hz

ENVIRONMENTAL REQUIREMENTS

Temperature	+15 °C to +32 °C
Humidity	15 % to 90 %
Barometric pressure	462 mmHg to 769 mmHg