

e1 ELECTROLYTE ANALYZER

**Na⁺, K⁺, Cl⁻
Ca²⁺, pH, Hct**

25 s

Shortest time to result
on the market

20 µL

Lowest sample volume
on the market

oQC

Fully programmable
automated 3 level on-board QC
for max. 60 measurements per level

Maintenance free

All-in-one cartridge

Ease of use

Versatile sample input
Intuitive user interface

Full connectivity

Data exchange with LIS
Network connection via LAN (RJ45)
Data export via USB flash drive

Robust and clever design

Compact footprint
Dimensions 20 x 31 x 28 cm (W x H x D)



Sample tube mode



Capillary mode



Syringe mode



TECHNICAL SPECIFICATIONS

OPERATIONAL CHARACTERISTICS

Parameters	Na ⁺ , K ⁺ , Cl ⁻ , Ca ²⁺ , pH, Hct
Calculated parameters	nCa ²⁺ , tHb(c)
Min. sample volume	20 µL
Sample type	whole blood, serum, plasma
Sample container	sample tubes, syringes, capillaries (no adapter required)
Time to result	25 s
Throughput	80 samples / hour
Wet-up time	30 min (new cartridge installation)

ALL-IN-ONE CARTRIDGE

Number of samples	150, 300, 600
On-board stability	28 days
Integrated on-board QC (oQC)	3 levels
oQC measurements / Level	30, 40, 60
Storage temperature	+2 °C to +25 °C
Shelf life	6 months

CALIBRATION DATA

Calibration	Automatic 2-point cal
Duration	~35 s
Interval	4, 8, 12 h (configurable)

STORAGE CAPACITY

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

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

COMMUNICATION

Data exchange	LIS (bidirectional)
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



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"The e | 1 Analyzer uses an all-in-one cartridge that enables maintenance free operation."

