



TECHNICAL SPECIFICATIONS

TOUCH SCREEN
8.5 inch colour touch screen

DISPLAY
600 x 800 pixel graphic display

POWER
100-240 VAC 50/60 Hz 80 VA

DIMENSIONS
337mm (D) x 273mm (W) x 422mm (H)

WEIGHT
<8 kg

PRINTOUT
built-in, 24 column thermal printer

OPERATING CONDITIONS
15-35°C (59-95°F) / 15-90% humidity

ELECTRONICS
microprocessor controlled

CONNECTIVITY
2 x USB, RS 232, LAN

OPTIONAL EQUIPMENT

AUTO SAMPLER
to be announced

BARCODE SCANNER
Sample/Patient ID,
QC Materials Data

OPERATING PARAMETERS

SAMPLE TEMPERATURE
15-35 °C

THROUGHPUT
100 samples/hour

ANALYSIS TIME
35 sec

DATA STORAGE
10000 samples

DATA MANAGEMENT
fully functional QC with
Levey-Jennings and Westgard rules
programmable reference ranges
advanced flagging
Bi-directional LIS

LANGUAGE/S
English & others on demand

1-POINT CALIBRATION
automatic 1-point calibration
with every sample
or on-demand

2-POINT CALIBRATION
automatic 2-point calibration
every 12 hours
or on demand

STANDBY MODE
automatically controlled
or user defined

PARAMETERS
Na⁺, K⁺, Ca⁺⁺, Cl⁻

TECHNOLOGY
electrochemistry,
thick film biosensor cartridge

PRINCIPLE
direct measurement

SAMPLE TYPE
whole blood, plasma, serum,
dil. urine, aqueous sol.

SAMPLE VOLUME
35 and ≥70 µL measuring modes

PERFORMANCE	Na ⁺	K ⁺	Cl ⁻	Ca ⁺⁺
Resolution (mmol/L)	0,1	0,01	0,1	0,01
Serum, Plasma, Whole Blood				
Measuring Range (mmol/L)	100-200	1-15	50-170	0.1-2.5
Precision within run (%CV)	≤ 1	≤ 1	≤ 1	
Precision within run (SD in mmol/L)				≤ 0.02
Precision between run (%CV)	≤ 2	≤ 2.5	≤ 2.5	
Precision between run (SD in mmol/L)				≤ 0.03
Urine				
Measuring Range (mmol/L)	13-400	2.4-180	40-400	
Precision within run (%CV)	≤ 5	≤ 5	≤ 5	
Precision between run (%CV)	≤ 5	≤ 5	≤ 5	



PRECISE. INNOVATIVE. AFFORDABLE.



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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS

Version No 1.1

EC 90

NEXT GENERATION
ELECTROLYTE ANALYSER

PRECISE



Employing cutting edge technology, the New EC 90 ISE analyser takes laboratory electrolyte measurements to new heights.

- ✓ Automatic 1 and 2-point calibrations
- ✓ Fully functional QC module
- ✓ Within run precision <1% CV
- ✓ One click analysis

AFFORDABLE



The cartridges maintain their sensitivity and first-class performance for 90 days from the day that they are docked into the analyser.

- ✓ Low reagent consumption
- ✓ No extra cleaning
- ✓ Self-contained waste
- ✓ Kits for low, medium and high-volume laboratories



INCREASED QUALITY

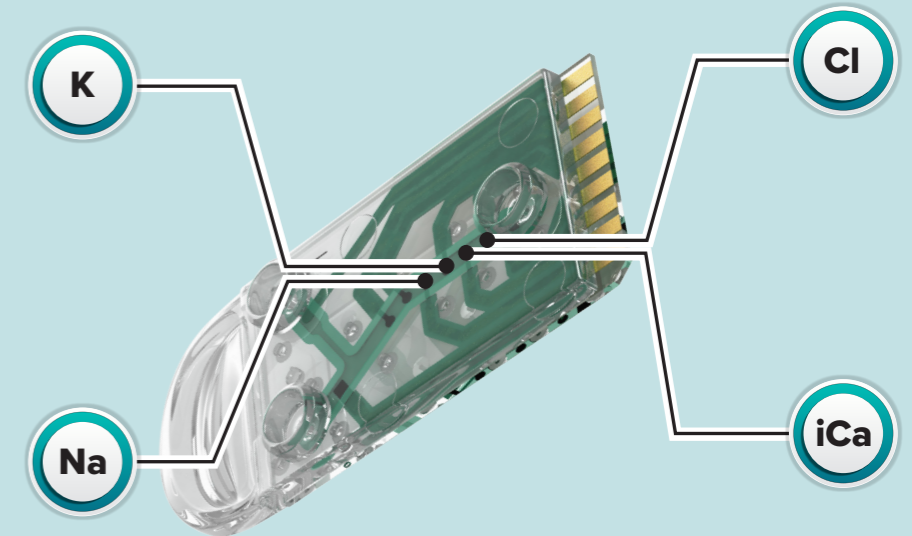
Trouble Free Operation - State-of the art technology using fully automated production methods. Integrated reference sensor, automatic calibrations and quality reports. High quality components for long life and result stability.



INCREASED PRODUCTIVITY


Simplified daily routine - maintenance free technology, advanced connectivity with one-click analysis. Plug and play "all-in-one" consumable.

INNOVATIVE



THE MAGIC IS IN THE *BioSensor*

 35 μ L SAMPLE VOLUME

 35 sec ANALYSIS TIME

 MAINTENANCE FREE TECHNOLOGY

ALL-IN-ONE CARTRIDGE

 PLUG AND PLAY

 3 MONTHS USE LIFE

