



TOUCH SCREEN
8.4 inch colour touch screen

DISPLAY
600 x 800 pixel graphic display

POWER
100-240 VAC 50/60 Hz 60 W

DIMENSIONS
425mm (D) x 268mm (W) x 334mm (H)

TECHNICAL SPECIFICATIONS

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

PARAMETERS
Na⁺, K⁺, iCa²⁺, Cl⁻

TECHNOLOGY
electrochemistry, thick film biosensor cartridge

PRINCIPLE
direct measurement

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

SAMPLE VOLUME
35 and 90 µL measuring modes

SAMPLE TEMPERATURE
15-35 °C

THROUGHPUT
90 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

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

Serum, plasma, aqueous, whole blood	Resolution [mmol/L]	Display Range [mmol/L]	Reproducibility (% CV)		
			Within-Run	Between-Run	@ range
Na ⁺	0.1	20 - 200	≤ 1	≤ 2	100 - 200
K ⁺	0.01	0.2 - 40	≤ 1	≤ 2.5	1 - 15
Cl ⁻	0.1	25 - 200	≤ 1	≤ 2.5	50 - 170
iCa ²⁺	0.01	0.1 - 6.0	≤ 0.02 SD	≤ 0.03 SD	0.1 - 2.5
Urine (diluted 1:3)					
Na ⁺	0.1	13 - 1000	≤ 5	≤ 5	13 - 400
K ⁺	0.01	1 - 500	≤ 5	≤ 5	2.4 - 180
Cl ⁻	0.1	25 - 500	≤ 5	≤ 5	40 - 400

Cat No	Product No	Product Name	Pack Size
INS00079	10020690	EC 90 electrolyte analyser (w/o cartridge)	Analyser with accessories
REG00058	10020729	EC cartridge S	500 samples/3 months
REG00056	10020691	EC cartridge M	1000 samples/3 months
REG00057	10020692	EC cartridge L	3000 samples/3 months
REG00061	10020782	EC cartridge S plus iCa	500 samples/3 months
REG00062	10020781	EC cartridge M plus iCa	1000 samples/3 months
REG00063	10020783	EC cartridge L plus iCa	3000 samples/3 months
REG00059	10020753	EC Urine Diluent	100mL



PRECISE. INNOVATIVE. AFFORDABLE.



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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS



Version No 1.3

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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.

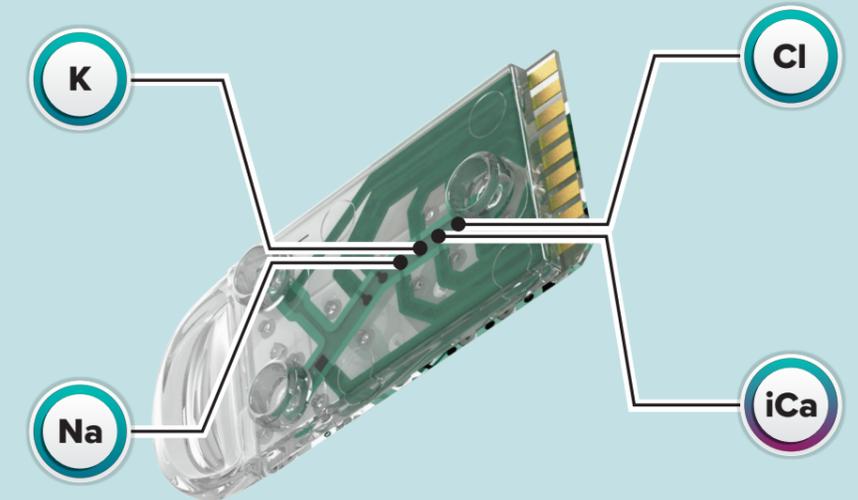


INCREASED PRODUCTIVITY

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

