



Unity™

Integrated Electrolyte System

 Unity.com

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Communication
RS232

Calibration
2 Point every 8 hours
On Demand
1 Point after every Measurement

Sample Size
60 - 100 µl Serum
140 - 150 µl Urine

Number of Parameters
3 (Simultaneously)

Analysis Time
Serum: 30 sec (100 per hour)
Urine: 60 sec (50 per hour)

Features

- Compact Size
- Fully Shielded Measurement Chamber
- Fully Visible Pathway
- Long Life Reference
- Accessible Service Area
- Positive Engagement Latching System
- Built-In Modular Sample Cup Option
- Flexible Reagent System
- Horizontal Electrode Orientation
- Precise Stepper Motor Fluidic Control

Parameter	Range	Reproducibility ¹	Resolution
Serum Na ⁺	50-200 mmol/L	CV ≤1% (120-160 mmol/L)	0.1 mmol/L
	K ⁺ 1.5-10.00 mmol/L	CV ≤ 2% (2.8-6 mmol/L)	0.01 mmol/L
	Cl ⁻ 50-200 mmol/L	CV ≤ 2% (80-120 mmol/L)	0.1 mmol/L
Urine Na ⁺	20-500 mmol/L	CV ≤ 5% (60-280 mmol/L)	1.0 mmol/L
	K ⁺ 5-300 mmol/L	CV ≤ 5% (30-170 mmol/L)	1.0 mmol/L
	Cl ⁻ 10-500 mmol/L	CV ≤ 5% (80-230 mmol/L)	1.0 mmol/L

1-Typical Within Run (n=30) Urine, Serum

Power
12VDC
2.0A

Size & Weight
92 mm (H) x 134 mm (W) x 46 mm (D)
3.70" (H) x 5.27" (W) x 1.81" (D)

Ambient Conditions
< 85% humidity
15-32°C, Room temperature (60-90°F)