

Volton™

Electrolyte Analyzer



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FEATURES

- Compact, cost-efficient and easy-to-use
- Excellent precision and reliability
- Long life, high performance, maintenance free electrodes
- Automatic sampling, washing and calibration
- Touch screen ,large LCD display
- Internal thermal printer, supporting barcode reader
- Auto sampler (optional) offering 26 positions (with 2 for emergency positions)
- Barcode reader (optional) for positive identification of patient samples

SPECIFICATIONS

Principle	Direct measurement by Ion Selective Electrode (ISE)
Sample	whole blood, serum, plasma, diluted urine
Sample volume	100-150 µl
Throughput	up to 60 samples/h
Data storage	up to 500 patient result
Calibration	Automatic or On-demand
Input	Touch-screen
Display	Large LCD with backlight
Output	Internal thermal recorder, RS-232 serial port
Working Environment	Temperature : 10°C-30°C Relative humidity : 20%-85%
Input voltage	AC 220V/110V ±10%, 50/60Hz
Power consumption	60W
Dimension	440mmx380mmx350mm (HxWxD)
Weight	Main unit —10 kg Auto sampler (option) — 1.5 kg



Simple and reliable design of fluid tubing system and electrodes, minimize the maintenance work



Automatic sampling and probe washing, Minimize the carry-over



Touch screen, user friendly software, easy to operate



RS-232 serial port & barcode reader port

SPECIFICATIONS

	Measuring Range	Reproducibility(CV%)
K+	0.50-15.00 mmol/L	<1.0%
Na+	30.0-200.0 mmol/L	<1.0%
Cl-	30.0-200.0 mmol/L	<1.0%
Ca+	0.10-5.00 mmol/L	<2.0%
pH	7.00-9.00 (unit)	<1.0%
Li+	0.30-3.00 mmol/L	<3.0%

AVAILABLE VARIANTS

Volton Base	K+/Na+
Volton Base +	K+/Na+/Cl-
Volton Lite	K+/Na+/Cl-/ Li+
Volton Plus	K+/Na+/Cl-/ CO2
Volton Pro	K+/Na+/Cl-/ Ca2+ / pH
Volton Expert	K+/Na+/Cl-/ Ca2+ / pH / CO2