

Enlite

Electrolyte Analyzer

Features

- Rapid test speed: 30 seconds/test
- Memory: ~1000 records
- Long life, high performance & maintenance free electrode
- Innovative 'electrode observing window' for monitoring operation
- Automatic 1-point & 2-point calibration with optional manual calibration facility
- High, middle and low QC values are provided to adjust linearity
- Low sample consumption: 65 μ l
- Advanced 'design flow system' for efficient cleaning ; best for fatty samples
- Electrode maintenance alerts
- Large LCD display and numeric keypad for convenient operations
- Data backup system in case of sudden power failure
- Enlite series options:
 - Na⁺ / K⁺ / Cl⁻ / Ca²⁺ / pH (as per requirement)
 - Auto sampler with 39 sample positions for high workload (optional)

Essential Specifications

- Sample: Serum, whole blood, urine
- Operating environment: Temperature 5 - 40°C ; Humidity < 85% ; Non condensing
- Dimensions: 30 cm (L) x 26 cm (B) x 36 cm (H) ; Weight: 7.6 Kg
- Power supply: AC 100 - 240V~, 50/60Hz

AT-112



Fully Automated Haematology Analyzer

Features

- 3-part differential count of WBC, 19 parameters, 3 histograms
- Parameters: WBC, LY#, MO#, GR#, LY%, MO%, GR%, RBC, Hgb, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT
- Speed: 60 samples/hour
- Memory: Upto 1,000,000 sample memory (with histogram)
- Dual sample mode: 18 μ L whole blood (venous),
20 μ L pre-diluent (capillary)
- 'Dual swirling flow' and 'intelligent fitting technology' ensures reliable PLT count
- Direct keys for 'work mode', 'prime', 'flash', 'drain' & 'print'
- Comprehensive L-J graph with at least 30 data points
- 2 QC methods – Blood control & X-B
- Easy-to-load interface software
- Status indicator & work mode indicator for convenient working
- Alarm indication for abnormal findings or system errors
- Auto maintenance facility

Essential Specifications

- Sample: Human venous blood, human capillary blood
- Software: Windows XP
- Input/output: Support RS232, standard network port and USB. Shortcut keys with standard mouse and keyboard. Internal high speed thermal printer, external printer (optional)
- Dimensions: 460 x 300 x 420 mm ; Weight: 24 Kg
- Operating environment: Temperature 5 - 40°C ; Humidity < 80% ; Non condensing
- Power requirement: AC 210V - 240V, 50/60 Hz

CBC-360



AT-112

Semi-Automated Clinical Chemistry Analyzer

Features

- End point, kinetic, fixed time & absorbance mode
- 112 chemistries can be programmed
- Memory of 3200 sample results
- Option of 7 filters (340 – 630 nm) and 1 position free
- Comprehensive QC program and LJ graphs
- Temperature control with peltier elements: 25 – 30 – 37°C
- Large LCD display with touch screen facility
- Zero drift and filter check possible
- Work list facility available

Essential Specifications

- Light source: Quartz halogen lamp 12V/20W
- Standard filters: 340 nm, 405 nm, 492 nm, 510 nm, 546 nm, 578 nm, 630 nm and 1 position free for optional wavelength. Bandwidth < 8 nm; Stray light < 1% at 340 nm
- Flowcell: Stainless steel with quartz window; 10 mm optical path
- Aspiration volume: 200 – 2000 µl, as programmed
- Measuring volume: 32 µl
- Photometric range: 0.0000 to 3.0000 Abs; Resolution: 0.0001 Abs; Stability: 0.002 Abs/Hr
- Interface: RS 232 serial port
- Built-in thermal printer
- Dimensions: 42 cm (L) x 38 cm (B) x 17 cm (H) ; Weight: 8.5 Kg
- Operating environment: Temperature 15 - 30°C ; Humidity ≤ 70%
- Power supply: AC 220V ±10%, 50/60 Hz



Enlite

Channel	Range	Resolution	CV %
pH	6.00 ~ 9.00	0.01	<1.0
K ⁺	0.50 ~ 10.00 mmol/L	0.01	<1.0
Na ⁺	20.0 ~ 200 mmol/L	0.1	<1.0
Cl ⁻	20.0 ~ 200.0 mml.L	0.1	<1.0
Ca ⁺⁺	0.3 ~ 5.0 mmol/L	0.01	<1.5

LWC

Fully Automated, Discrete, Random Access Analyzer

Features

- Compact model
- Colorimetric & turbidimetric tests using end point, kinetic, fixed time methods
- Throughput: 150 photometric tests/hour (without ISE)
- Allows single/dual reagent use with monochromatic or bichromatic measurement
- Offers STAT sample priority
- Independent mixing bar for homogenous mixing
- Minimum reaction volume: 150 μ l
- Highly polished sample probe with automatic liquid level detection, probe depth adjustment & collision protection
- Round-the-clock on board refrigeration for reagent, sample, calibrators & controls
- Auto-dilution & auto-retest facility

Essential Specifications

- Light source: 20W/12V halogen lamp with lifetime of more than 2000 hrs.
- Photometric method: Rear spectrophotometry by filter technology, fully sealed free from mildew
- Wavelength: 8 wavelengths from 340 nm to 670 nm
- Absorbance: 0 ~ 4.00 Abs
- Sample tray: 40 positions
- Sample volume: 2 ~ 30 μ l, step by 0.1 μ l
- Sample cuvettes specification: Primary tubes of 5 ml, 7 ml, 10 ml & sample cups
- Reagent tray: 40 positions; 50 ml & 20 ml bottles
- Reagent volume: R1: 150 ~ 300 μ l, R2: 20 ~ 300 μ l
- Reaction tray: 81 cuvettes
- Reaction volume: 150 μ l ~ 500 μ l
- Reaction temperature: 37 \pm 0.1 $^{\circ}$ C
- Control rules: Westgard multi-rule, L-J plot, cumulative sum check, twin plot
- Operation system: Windows 2000 or Windows XP
- Interface: RS-232
- Dimensions: 855 mm x 640 mm x 560 mm ; Weight: 50 Kg
- Power supply: AC 100 ~ 240V

Note : High throughput models also available

XPRESS mini UA



AT-200 D

Semi-Automated Clinical Chemistry Analyzer

Features

- End point, kinetic, fixed time & absorbance mode
- Monochromatic & bichromatic measurement possible
- Testing mode : Flowcell or cuvette
- Up to 200 parameters can be programmed
- Memory: 3000 samples & 1000 QC results
- 7.8" TFT touch screen & popup keypad
- Wavelength range: 340 – 670 nm
- Real-time monitoring of reaction curve and temperature
- Quick interchange between 4 temperature options :
R.T. – 25 – 30 – 37°C
- Multi-functional & comprehensive testing panel display
- Power-failure protection for internal circuits
- Universal power supply
- External keyboard or mouse support via USB
- Customizable patient information & capability of adding off-system test results

Test Range		
Channel	Range	
	Blood, Serum, Plasma	Urine (Diluted)
Na ⁺	70.0 – 200.0 mmol/L	10.0 – 500.0 mmol/L
K ⁺	1.00 – 20.00 mmol/L	1.00 – 100.0 mmol/L
Cl ⁻	70.0 – 200.0 mmol/L	10.0 – 550.0 mmol/L

Essential Specifications

- Light source: Tungsten-halogen lamp 6V/10W
- Standard filters: 340 nm, 405 nm, 510 nm, 546 nm, 578 nm, 630 nm and 2 positions free for optional wavelengths (450 nm & 670 nm).
- Bandwidth < 8 nm. Stray light < 0.1% at 340 nm
- Photometric range: 0 ~ 3.5 Abs ; Stability <0.005A/20min at 340 nm
- Flowcell : Stainless steel with quartz window ; optical path 10 mm
- Programmable aspiration volume: 200 – 9000 µl
- Measuring volume: 32 µl
- Data input: Touch screen with touch pen and popup keypad, mouse or keyboard via USB
- Built-in thermal printer
- Dimensions: 42.2 cm (L) x 34 cm (B) x 16 cm (H) ; Weight: 7 Kg
- Operating environment: Temperature 15 - 30°C ; Humidity 35 – 85%; Non condensing
- Power supply: AC 100-240V~, 50/60Hz

EX-D



XPRESS mini UA

Automated Urine Chemistry Analyzer

Features

- Simultaneous measurement of 10 parameters: GLU, PRO, BIL, URO, pH, SG, BLD, KET, NIT & LEU
- Throughput: 50 samples/hour
- Automatic calibration
- Memory of 200 samples & 20 QC results
- Results displayed in flexible formats – Conv (mg/dl), SI (mmol/l), ARB (+++), Conv+ARB and SI+ARB
- Large touch screen for single screen display of 10 parameters
- Flagging of abnormal results with sound alerts
- Battery option and compact size enable point-of-care testing
- Xpress 10 test strip has minimal interference from ascorbic acid for the parameters BLD & GLU, avoiding false negative results

Essential Specifications

- Test strips: Xpress 10
- Interface options: USB, RS - 232
- Display: 128 x 128 pixel touch screen
- Printer: 23 character thermal type built-in printer
- Dimensions: 16 cm (L) x 20 cm (B) x 7.5 cm (H) ; Weight: 710 gm
- Operating environment: Temperature 5 - 40°C ; Humidity 20 – 80% ; Non condensing
- Power supply: AC 110 - 240V/6AA batteries (optional battery powered operation)

LWC



EX-D

Fully Automated Electrolyte Analyzer

Features

- Measurement of Na⁺, K⁺, Cl⁻
- Measurement principle: Ion Selective Electrode (ISE)
- Throughput: 300 tests/hour
- Calibration only once every 24 hours - Newly developed high sensitive electrode requires only one time calibration in 24 hours
- 2-point automatic calibration with adjustable intervals
- Memory: 500 patient data & 100 QC data
- 20 samples can be set at once in auto-sampler
- Auto-position setting from first input sample
- Offers STAT sample priority
- Excellent precision: C.V. 0.5%
- Automatic sample detection
- Auto-retest function for abnormal data
- Measurement of whole blood, plasma & serum without dilution enables POCT in emergency room, operation theatre and ICU
- Measurement of urine/hemo-dialysis solution optional

Essential Specifications

- Sample: Whole blood, serum, plasma or urine
- Measurement volume: 95µl (whole blood & serum), 300µl (hemo-dialysis & urine)
- Interface: RS-232C online output
- Display: LCD display with a backlight (20 digits, 4 lines)
- Printer: Built-in thermal printer
- Dimensions: 246 (W) x 410 (D) x 350 (H) mm ; Weight: Approx. 14 Kg
- Operating environment: Temperature 10 - 30°C ; Humidity ≤ 80% ; Non condensing
- Power supply: AC 110/220 V ±10%, 50/60Hz

AT-200 D

