Panstar Instrument

FT-320
Electrolyte Analyzer

Type 1	K/Na/Cl/Ca/pH
Type 2	K/Na/Cl
Type 3	K/Na/Cl/Li

FT-320   Electrolyte Analyzer

Features

- High-quality ISE measurement system, samples are directly measured, the sensor is completely maintenance-free, and the life span is more than 1 year.
- One sampling, getting the result of K^+、Na^+、Cl^-、Ca^{2+} (Li^+)、 pH within 40 seconds.
- Applying new microprocessor system, all operation procedures including calibration, sample testing, monitoring of sample sensor status are controlled by software.
- Large LCD and 4 buttons for easier operation.
- Strong capacity of monitoring and calibration electrode working status to ensure the reliability of the testing results at any time.
- All fluidic system with solenoid valve, washing the sample channels automatically to reduce clog and carryover into low level.
- Advanced optical sample detector to ensure excellent accuracy.
- Complete QC function, calculate and store the control data of 3 groups in recent 31 days and calibrate the analyzer with any 2 groups of the control data.
- Strong data management system to store samples and QC results, power-down protection and refresh new record automatically. Capable of connecting with any LIS/HIS system.
- Intelligent reagent management technology with RFID identification.

Specifications

Measurement principle: Ion Selective Electrode (ISE)

Measure method: Direct measurement

Sampling mode: Manually sampling

Calibration mode: Fully automatic calibration

Measurement performance:

Item	Measuring range	Resolution	Precision(CV)
K^+	0.50～15.00mmol/L	0.01mmol/L	1.0%
Na^+	30.0～200.0mmol/L	0.1mmol/L	1.0%
Cl^-	30.0～200.0mmol/L	0.1mmol/L	1.0%
Ca^{2+}	0.10～5.00mmol/L	0.01mmol/L	1.0%
Li^+	0.10～5.00mmol/L	0.01mmol/L	1.0%
pH	4.00～9.00	0.01	1.0%

Sample type: Serum, Plasma, Whole Blood, Diluted Urine

Minimum sample volume: 60µL

Analysis speed: ≤40 seconds/test

Operation mode: English menu,shortcut key operation

Program function: Built-in real clock, parameter setting, maintenance, quality control, fault diagnosis and other functions

Display: 240 x 64 Graphic LCD

Printer: Built-in thermal printer

Data storage: Samples and QC test results

Communication interface: RS-232C serial interface

Working temperature: 5～40℃ ,Relative humidity ≤80%

Power supply: 88VAC～264VAC,47Hz～63Hz,45VA

Dimension(H×W×D)&Weight: 32cm×26cm×21cm,7kg

We reserve the right to modify the specifications without prior notice.320EN2409

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