Panstar Instrument

AES-800

Electrolyte Analyzer

AES-810 K/Na/Cl/Ca/pH

AES-830 K/Na/Cl/Ca/pH/TCO_2

AES-850 K/Na/Cl/Ca/Li/pH

AES-870 K/Na/Cl/Ca/Li/pH/TCO_2

CE

ISO9001 & ISO13485

Nanjing Panstar Electronic Instrument Co.,Ltd

AES-800 Series Electrolyte Analyzer

TECHNICAL PARAMETER

Product specifications

Measurement principle: Ion Selective Electrode(direct method), Dynamic Pressure Method

Sampling mode: Automatic, Built in sample tray(24 sample positions)

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

Minimum Sample Volume: 60μL ～150μL*

Analysis speed: ≤40 seconds/test (From sampling to display results winthin 15 seconds)**

Model: AES-810、 AES-830、 AES-850、 AES-870

Measurement performance:

Item	Measuring range	Resolution	Precision(CV)
K^+	0. 50～20. 00 mmol/L	0. 01	≤1. 0%
Na^+	15. 0～200. 0 mmol/L	0. 1	≤1. 0%
Cl^-	15. 0～200. 0 mmol/L	0. 1	≤1. 0%
Ca^{2+}	0. 10～6. 00 mmol/L	0. 01	≤1. 0%
Li^+	0. 10～6. 00 mmol/L	0. 01	≤1. 0%
TCO_2	2. 0～70. 0 mmol/L	0. 1	≤3. 0%
pH	4. 00～9. 00	0. 01	≤1. 0%

Calculating parameters: n-Ca(standardized ionic calcium)、T-Ca（total calcium）and anion gap（AG）

Calibration mode: Fully automatic calibration

Display: 800×480 Color LCD display

Operation mode: English menu, touch screen

Printer: Built-in thermal printer

Data storage: more than 10,000 test results

External interface: RS-232C data interface×1、 USB2.0 barcode scanner interface×1

Power: 88～264VAC, 47～63Hz, Input power: 85VA

Working temperature: 10～30°C , Relative humidity: ≤85%

Dimension(H×W×D): 38cm×45cm×38cm, Weight:15kg (*/**Depending on the model and test options)

Product features

- Double needle and double flow system, K^+、Na^+、Cl^-、Ca^{2+}、Li^+、pH and TCO_2 are tested in independent flow paths separately, without mutual interference;
- The instrument has a high degree of automation, with self inspection function, automatic 1-point and 2-point calibration, automatic rapid flushing system and automatic display of printing results;
- It adopts 7-inch color super large high-definition display screen, capacitive touch screen and man-machine interactive operation interface;
- The injection needle has the functions of automatic wiping and automatic soaking to remove protein, so as to reduce cross pollution to the greatest extent;
- The sample injection system has the function of liquid level detection without sub loading samples, the blood collection tube can be tested directly, the computer and can be programmed continuously with multiple plates of samples;
- It adopts advanced optical sample detector and has chylous blood sample analysis mode to adapt to different types of samples; The multi-point quality control system can adapt to the inter laboratory quality assessment in different areas;
- Once sampling, getting the result of K^+、Na^+、Cl^-、Ca^{2+}、Li^+、pH、TCO_2 Seven items and Three Calculation parameters;
- The complete data management system can store more than 10000 test results and has the function of power failure protection;
- The instrument has bar code scanning function, and the data interface equipped with the instrument can be compatible with any type of LIS / HIS system;
- The fully enclosed and integrated reagent package reduces the risk of biological pollution, has intelligent identification function and residual reagent monitoring function.

Nanjing Panstar Electronic Instrument Co.,Ltd

Add: Building 27, Liandong U Valley, No.1001 Fuying Road, Jiangning District, Nanjing,China.

Tel: 86-25-84647543 Fax: 86-25-84640346

Website: www.panstarinst.com Email: panstar01@vip.sina.com

We reserve the right to modify the specifications without prior notice.800EN2409