

STS-A200 Specific Protein Analyzer



SOOHOW INSTRUMENT SUPPORT
HIGH-END MANUFACTURING IN CHINA

SOOHOW

PERFORMANCE CHARACTERISTICS

- Precision: Precision is represented by the coefficient of variation (CV), and it is required to be $\leq 6\%$.
- Accuracy: The accuracy is expressed as the deviation (B) between the test average value and the stated value, with a requirement of $\leq 5\%$.
- The carry-over pollution rate should be less than 1%.
- Instrument stability: The deviation (B) between the average value and the indicated value after 4 h and 8 h of operation is required to be $\leq 5\%$.
- The accuracy and repeatability of sample dispensing: The instrument's minimum sample dispensing volume is 3 μL , the maximum dispensing volume is 30 μL , and a dispensing volume near 5 μL is also tested. The dispensing accuracy error should not exceed $\pm 5\%$, and the coefficient of variation should not exceed 3%.
- For the instrument, the minimum reagent dispensing volume is 20 μL and the maximum dispensing volume is 200 μL . The dispensing accuracy error should not exceed $\pm 5\%$, and the coefficient of variation should not exceed 3%.
- Testing speed: The maximum testing speed should not be less than 180 tests per hour.
- Environmental test requirements: In accordance with the Group I climatic environmental tests and Group I mechanical environmental tests specified in GB/T 14710-2009, as well as the requirements listed in Table 3 of this technical specification. The transportation test and power supply voltage adaptation test of the analyzer should comply with the requirements of Chapters 4 and 5 in GB/T 14710-2009, respectively.
- Safety Requirements: Comply with the applicable provisions of GB 4793.1-2007, GB 4793.9-2013, and YY0648-2008.
- Electromagnetic compatibility requirements: Comply with the applicable provisions of GB/T18268.1-2010 and GB/T18268.26-2010.

APPLICATION FIELD



TECHNICAL PARAMETER

Project	Data
Instrument Dimensions	$\leq 600\text{mm} \times 400\text{mm} \times 520\text{mm}$
Analytical Method	Rate scatter nephelometry or projective turbidimetry
Optical System	12V long-life halogen lamp, using cluster holographic post-splitter technology, supporting a total of 8 wavelengths from 340 to 700nm
Intended Use of the Product	Determination of specific proteins in human body fluid samples
Reaction System	Standard 40 UV cups; $37 \pm 0.1^\circ\text{C}$ constant temperature control reaction system, Solid direct thermal temperature control technology is adopted; The all-encompassing temperature sensor is maintenance-free on a daily basis
Sample Rack Injection System	5-well sample rack with a continuous sampling system, maximum sample capacity of 25 samples.
Data Processing	Built-in scanning function, automatic addition of sample information, patient information management, sending results to LIS, and result printing
Syringe dispensing system	Ceramic core micro piston pump injection, high precision, wear resistance, maintenance-free, long life
Cleaning System	The reaction cup is automatically cleaned with warm water, and the cleaning level is automatically detected and fed back to the host computer.