

AT-100-plus

Automatic sampler



① Powerful software features, graphical interactive interface, pre stored sampling method, intuitive and simple operation.

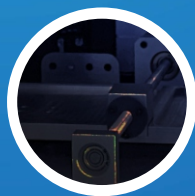
② Integrated cleaning station, no need for built-in elution solution.

Empty bottle and empty tray prompt function, leakage alarm function, to avoid human error operation.

③ Full range of high-precision, imported core fluid components ensure the highest performance in every aspect.

④ Reliability control panel, humanized control process design, RS232 external terminal

The mouth can be connected to analytical instruments to achieve fully automated sample injection analysis.



**Small volume.
High integration analysis.
Semi universal preparation**

Automatic sampler parameters Performance indicator injection mode:

Full loop injection, partial injection, no loss injection volume: programmable 0-10000 μ L
repeatability:

RSD<0.2% for full cycle injection

Partial injection with RSD<0.5%

Residual<0.01%

Linearity>0.999

Sample capacity: Two sets of sample racks

Syringe volume:

1000 μ L (standard), 125 μ L, 250 μ L, 500 μ L, 5000 μ L (optional)

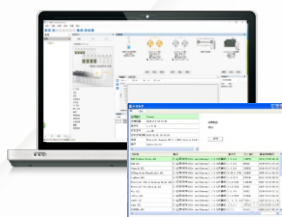
Sample bottle:

6x9 position 1.5ml standard sample bottle

96 standard well micro drip plate

4x6 position 4ml sample bottle

3x5 position 10ml sample bottle



Software Function Introduction

Wavelength scanning: The wavelength scanning function provided by the software should have a range between 190-700nm, with a minimum step size of ≤ 1 nm.

Event relay: an event relay controlled by a time program, which can switch the steering valve to separate and recover the mobile phase.

Quantitative calculation methods: normalization method, modified normalization method, modified normalization method with proportional factor, internal standard method, external standard method, and index calculation method.

Calibration operation: It can calibrate multiple standard samples with different concentrations and establish a sample concentration area correction curve.

Flexible peak recognition and processing capabilities: Chromatographic peaks can be identified and processed by setting peak processing parameters and time programs, or manually processed.

The chromatographic data system owns the functions of reverse column temperature box, high-pressure infusion pump, detector, and automatic sampler.