

Agress1100+ High Performance Liquid Chromatography System



Features:

- * Compatible with both normal-phase and reversed-phase solvents, suitable for use in GPC systems, and supports solvent exchange.
- * An optimized, high-efficiency heat dissipation structure ensures stable system operation under demanding condition.
- * The fully upgraded sealing design minimizes system performance degradation and consistently delivers accurate test results.
- * The front panel is coated with a corrosion-resistant finish, enhancing the product's durability against a wide range of solvents.
- * Compatible with Kromstation and Rubikstation chromatography workstations (network versions), compliant with data integrity regulations.



D1100+ UV-visible Detector:

| Item | Specification |
|------------------------------------|--|
| Wavelength Range | 190~700nm |
| Light Resource | Deuterium lamp |
| Display | 2*16 LCD |
| Spectral Bandwidth | 8nm |
| Wavelength Accuracy | ±1nm |
| Wavelength Repeatability | ≤1nm |
| Set Fan of Wavelength-time Program | 0.1~999.9min |
| Response Time | 0.1~5.0s |
| Noise | ≤±1×10 ⁻⁵ AU(Empty flow cell, 254nm, constant ambient temperature) |
| Drift | ≤1.5×10 ⁻⁴ AU/h(Empty flow cell, 254nm, constant ambient temperature) |
| Linearity Range | ≥1.8AU(5%, 254nm) |
| Optical Path of Flow Cell | 10mm |
| Withstand Voltage of Flow Cell | ≤8MPa |
| Communication Mode | RS232 or USB |

P1100+ High-Pressure Constant Flow Pump:

| Item | Specification |
|--------------------------|---|
| Flow Rate | 0.001-10.000 mL/min(Step: 0.001 mL/min) |
| Accuracy | ≤ ±0.3%(1.0 mL/min, 8±2 MPa, water, ambient temperature) |
| Precision | ≤ 0.085%(1.0 mL/min, 8±2 MPa, water, ambient temperature) |
| Max Pressure | 45MPa(0.001~5.000mL/min) 20MPa(5.001~10.000mL/min) |
| Pressure Accuracy | ±3% or <±0.8 MPa |
| Pressure Pulsation | ≤1% |
| Leak-proofing Capability | Pressure drop≤1.5MPa(40MPa, 10min) |
| Communication mode | RS-485 |
| Dimension/Net Weight | 420*260*160mm/14kg |
| Power Supply | AC220V, 50Hz |
| Power | 80W |



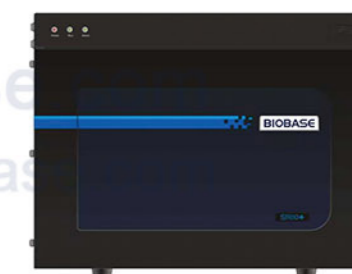
O1120+ Column Oven:

| Item | Specification |
|-------------------------|----------------------------|
| Temperature Range | Ambient temperature+5~99°C |
| Setting Precision | 0.1°C |
| Temperature Accuracy | ≤±0.5°C |
| Temperature Stability | ≤0.2°C |
| Communication Interface | RS-485 |



S1100+ Autosampler:

| No. | Items | Specifications |
|-----|-------------------------|---|
| 1 | Injection range | 0~100μL, 500μL, 2mL |
| 2 | Injection repeatability | RSD<0.3% Full sample loop injection(standard conditions) RSD<0.5% Partial volume injection(lossy injection, standard conditions) RSD<1.0% Partial volume injection(without loss, standard conditions) |
| 3 | Injection linearity | R ² >0.999 |
| 4 | Sample residue | <0.01% |
| 5 | Highest pressure | 45MPa |
| 6 | Communication method | UDP network communication |
| 7 | Injection trigger | Digital mode, analog mode |



Technical Parameters:

| Model | Agress1100+(Type I) | Agress1100+(Type II) |
|----------------------|--|--|
| Pump | P1100+*1 | P1100+*2 |
| Detector | D1100+*1 | |
| Sampler Injector | Rheodyne 7725i*1 | |
| Valve Mounting Frame | VB1100+*1 | |
| Solvent Bottle Tray | T1100+*1 | |
| Workstation | Kromstation*1 | |
| System Toolkit | Agress1100+*1 | |
| Column | Supersil ODS2 5μm 4.6*250mm*1 | |
| Gradient Mixer | / | TD-1-15*1 |
| Power Supply | AC220V±10%, 50Hz | |
| Optional Accessory | S1100+ autosampler, column, O1120+ column oven, evaporative light scattering detector, differential refractive index detector, fluorescence detector, solvent bottle | |
| Packing Size(W*D*H) | 580*400*280mm; 580*400*280mm; 580*400*280mm | 580*400*280mm; 580*400*280mm 580*400*280mm; 580*400*280mm |
| Gross Weight | 16kg; 16kg; 8kg | 16kg; 16kg; 16kg; 8kg |