XenoMech
Analytical Instruments
The Science Behind Precision

Amino Acid Analyzer

Model :

XM-A10

Amino Acid Analyzer

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FEATURES:

Compact and durable design
Clear LCD screen interface
User-defined overpressure protection
Stable spectral bandwidth performance
Advanced deuterium lamp control
5 nm spectral bandwidth
Autozero function for calibration

Overview

Amino Acid Analyzer XM-A10 operates with a pressure range of 0 to 42 MPa for precise laboratory analysis. It features a flow rate range of 0.1 to 15 mL/min with ±1% precision, ensuring consistent performance. The wavelength range of 190 to 700 nm supports diverse analytical requirements. Integrated with a microprocessor-based scanning system for enhanced accuracy and efficiency. Suitable for amino acid profiling in research, clinical diagnostics, and pharmaceutical applications.

SPECIFICATIONS:

Model	XM-A10
Operating Pressure	0 to 42 MPa (6000 psi)
Flow Rate Range	0.1 to 15 mL/min
Flow Rate Precision	±1%
Flow Rate Accuracy	25 mL/368 to 387 s (±3%)
Compositional Precision	0.5% absolute
Pressure Resolution	0.1 MPa
Overpressure Protection	Shuts off if pressure exceeds 42 MPa (6000 psi)
Temperature Requirements	10 to 35°C ambient

Humidity Requirements	5% to 80% relative humidity
Wavelength Range	190 to 700 nm
Spectral Bandwidth	5 nm
Wavelength Accuracy	±2 nm
Wavelength Reproducibility	±0.2 nm
Absorbance Range	0.002 au/mV to 2 au/mV in steps of 1, 2, 5
Noise	5×10^{-5} au (Peak-Peak)
Drift	1×10^{-3} au/hr
Flow Cell Volume	4.5 µL
Time Constants	0.05 s, 0.5 s, 5 s
Autozero	Yes
Power Requirements	220 Vac ±5%, 50 ±0.5 Hz
Pump Power Supply	400 W
Detector Power Supply	200 W
Pump Dimensions	450 × 210 × 390 mm
Detector Dimension	450 × 180 × 390 mm
Pump Weight	20 kg
Detector Weight	15 kg

Applications :

Our Amino Acid Analyzer XM-A10 is perfect for amino acid profiling in biological and pharmaceutical samples. It aids clinical diagnostics, helps identify metabolic disorders, and supports pharmaceutical quality control.

Standard Accessories :

Accessory Name	Quantity
Binary Gradient Pump	1set
UV Detector	1set
Injector	1set
C18, 5μm, Amino Acid Column	1set
Guard Column	1set
Work Station	1set
Column Oven	1set
Ultrasonic Cleaner (3L)	1set
Solvent Filter	1set
0.45μ Organic Filter Membrane	100 pieces
0.45μ Water Filter Membrane	100 pieces
Organic Sample Filter	100 pieces
Water Sample Filter	100 pieces
Vacuum Pump	1set
Amino Acid Standard Sample	1set
Amino Acid Derivatives Solvent	1set