

PepAxis-Atlas 2 Peptide Synthesizer Product Catalog



PepAxis-Atlas 2 Six-Channel Peptide Synthesizer



PepAxis-Atlas 2

Number of Channels: 6

Reactor Volume: 100 / 200 / 500 mL, upgradeable to 25 / 50 mL

Amino Acid Positions: 24

Synthesis Scale: 0.1–3 mmol

Dimensions (W × D × H): 90 cm × 62 cm × 82 cm

Atlas 2 (formerly 286 Pro) adopts a modular channel design. The 24 amino acid positions are allocated by group, divided into 4 positions per group. Each channel is equipped with an independent reactor, enabling multi-sequence parallel synthesis. The system adopts an “on-demand feeding, complete transfer” raw material management approach. Users weigh the required amino acids for each synthesis batch, and the instrument automatically performs one-time full transfer into the reactor. This effectively avoids reagent waste and is particularly suitable for mid-scale R&D applications involving expensive amino acids (e.g., 1–5 g impurity profile studies). Through a simplified and intelligent design, the instrument reduces operational complexity and is an ideal platform for peptide synthesis teaching, method standardization, and process optimization research.

PepAxis-Atlas 2 Peptide Synthesizer

Technical Specifications

Temperature Control Method: Water bath / Electromagnetic induction

Amino Acid Positions: 24, single aspiration

Amino Acid Bottle Volume: 10–100 mL

Activation Reagent Positions: 3, quantitative aspiration, accuracy 0.1 mL

Other Solvent Positions: 4

Solvent Reservoirs: 0.5 L, 1 L, 2 L, 5 L, 10 L

Mixing Mode: 180° vertical inversion + Nitrogen bubbling

Weight: 87 kg

Power Supply: 110/220 V, 50/60 Hz

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