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Thermo Scientific UltiMate 3000 UHPLC System





UHPLC system designed for high-resolution analytical separations; does not include computer or software.

Rating: Not Rated Yet
Price

Ask a question about this product

ManufacturerThermo Scientific

Description

The Thermo Scientific UltiMate 3000 is a modular ultra-high-performance liquid chromatography (UHPLC) system designed for high-resolution analytical separations, reproducible sample analysis, and automated liquid chromatography workflows.This is a multi-module, floor-standing configuration with integrated electronic controls and a stacked instrument arrangement.

No computer included. Requires compatible software that is not supplied. Unit needs inspection to confirm individual modules and capabilities.

Key Features and Specifications
UHPLC/HPLC capability: Designed for conventional HPLC as well as ultra-high-pressure liquid chromatography applications, depending on installed modules and column configuration.

High-pressure operation: Certain Rapid Separation (RS) pump configurations support pressures up to 1,000 bar (approximately 14,500 psi). Standard configurations have lower pressure limits.
Precision solvent delivery: Supports isocratic and gradient elution, with configurations offering binary, quaternary, or dual-pump solvent delivery.
Automated sample injection: Compatible autosamplers support automated injection from sample vials and well plates, with injection volumes ranging from nanoliters to milliliters depending on model.
Temperature-controlled column compartment: Maintains controlled column temperatures for improved retention-time reproducibility and separation consistency.
Multiple detector options: Compatible with diode array (DAD), multiple wavelength (MWD), variable wavelength (VWD), fluorescence (FLD), refractive index, and other detector technologies.
Chromeleon software compatibility: Thermo Scientific Chromeleon Chromatography Data System (CDS) provides instrument control, automated sequences, chromatographic data acquisition, and analysis.
Flexible modular architecture: Individual pump, autosampler, column compartment, and detector modules can be configured for different analytical requirements.
Analytical applications: Suitable for pharmaceutical analysis, biotechnology, environmental testing, food analysis, chemical characterization, and research laboratories.

Comes with our 90-day warranty.

Biotech Equipment Sales, Inc.: based in South San Francisco, the Biotech capital of the world, since 2009. We are dedicated to bringing high-quality pre-owned laboratory instrumentation to our scientific community.

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