

# ACCQPrep™ HP150

## Preparative HPLC

The Teledyne ISCO ACCQPrep™ HP150 is designed to be intuitive and easy-to-use with all the performance and accuracy of an HPLC system. The ACCQPrep focuses on purification with the highest sample recovery.

*Achieve High Performance Preparative Liquid Chromatography (HPPLC) simply, without compromise.*

With ease of purification in mind, the user-friendly ACCQPrep HP150 eliminates unnecessary and complex method parameters found in many of the HPPLC systems in today's market. Our PeakTrak® software, designed with the user in mind, is the basis for controlling the ACCQPrep HP150. The integrated software, eliminates the need for a stand-alone PC. This results in a more compact unit with a touch screen interface. Software evolves with user needs and updates are always free.

Enjoy the confidence associated with Teledyne ISCO's active solvent and waste level monitoring, which reduces the risk of solvent spills. In addition, never miss or overflow test tubes again with RFID collection racks.

The ACCQPrep HP150 creates high accuracy gradients and low dwell volumes with dual piston, high pressure pumps. Operate across the full range of flow rates from analytical (1 mL/min) to 50 mm and larger preparative columns (150 mL/min), without the need to switch out pump heads. Save method development time by scouting on an analytical column, and scale up to prep on one system, with a single touch.



# ACCQPrep™

## HP 150

- **Straightforward**  
Complete control of the system on one screen
- **Compact**  
Designed to take up minimal lab space
- **Flexible**  
Add on Teledyne ISCO Automation Modules and other sample injection and detection options for your separation needs

### Standard Features:

- Flow rates from 1 to 150 mL/min allows scouting and Prep methods on one system
- Operating pressure up to 6,000 psi
- Choice of UV or UV-Vis plus ELSD and MS options
- One touch Focused Gradient Generator maximizes purification time and sample recovery



*The system is ready for hours of unattended operation when combined with optional automation modules.*



*Purlon Mass Spectrometer takes the guess work out of your purification routine with mass directed fractionation.*

## ACCQPrep™ HP150

<b>Flow Rate Range:</b>	1–150 mL/min
<b>Pressure Limit:</b>	Up to 6,000 psi (400 bar)
<b>UV and UV-Vis Detection:</b>	Variable UV 200–400 nm, Variable UV-Vis 200–800 nm (optional)
<b>ELSD Detection:</b>	Integrated Option
<b>Number of Solvents:</b>	Binary gradient, 2 solvents, 2 x 3 solvents (optional), Fixed third solvent modifier (optional)
<b>Gradient Formation:</b>	High pressure, dual piston reciprocating pumps
<b>Programmable Gradients:</b>	Linear, step, isocratic
<b>Gradient Linearity:</b>	+/- 1%
<b>Sample Introduction:</b>	Injection loop (standard) Manual (standard) Autoinjector (optional) Large sample load pump (optional)
<b>User Interface:</b>	15 in touchscreen, internal CPU, Linux Red Hat
<b>Fraction Collector:</b>	Internal, External Fraction Collection with AutoSampler (Optional)
<b>Dimensions ACCQPrep:</b>	(H x W x D) 27.5 x 14.0 x 20.0 in (69.9 x 35.6 x 50.8 cm) 84.5 pounds (38.2 kg)
<b>Dimensions AS 2x2 AutoSampler Module:</b>	(H x W x D) 18.9 x 14.0 x 19.3 in (48.0 x 35.6 x 49.0 cm) 31.1 pounds (14.1 kg)
<b>Dimensions AS 4x2 AutoSampler Module:</b>	(H x W x D) 27.5 x 23 x 22 in (69.9 x 58.4 x 55.9 cm) 42.2 pounds (19.1 kg)

## Selection Information

### ACCQPrep HP150 Systems

ACCQPrep HP150 System with 200-400 nm – UV PDA detector	.....685230053
ACCQPrep HP150 System with 200-800 nm – UV-Vis PDA detector	.....685230054

### Factory Installed Options

Integrated ELSD, factory installed	.....605237135
ACCQPrep AS 2x2 – AutoSampler Module Factory Installed with sample load and collection racks, includes the AI-5 (685237101)	
2 racks, (75) 16 mm tubes/rack	.....685237127
ACCQPrep AS 4x2 – AutoSampler Module Factory Installed with sample load and collection racks, includes the AI-5 (685237101)	
4 racks, (75) 16 mm tubes/rack	.....685237140
ACCQPrep AI 5 – Autoinjector Factory Installed	.....685237098
ACCQPrep CSV 4 – Column Selector Valve Module Factory Installed	.....685237099
ACCQPrep SSV 2x3 – Solvent Selector Valve Module Factory Installed	.....685237100

### User Installed Options

Large Volume Sample Load Pump	.....685237131
Waste Collection Switching Valve	.....685237132
Third Solvent Modifier Pump	.....685237136
ACCQPrep AI 5 – Autoinjector User Installed	.....685237101
ACCQPrep CSV 4 – Column Selector Valve Module User Installed	.....685237102
ACCQPrep SSV 2x3 – Solvent Selector Valve Module User Installed	.....685237104

### Mass Directed Options

Mass Spec “S” with Fluid Interface	.....685237083
Mass Spec “L” with Fluid Interface	.....685237084
APCI Ion Source for Base, S and L Mass Spec options	.....250000125
ESI Ion Source for Base, S and L Mass Spec options	.....250000129



#### Large Volume Sample Load Pump

Used for injecting volumes of samples greater than 10 mL directly onto the column bypassing the injection loop. Pump is controlled via PeakTrak.



#### Waste Collection Switching Valve

Interfaces with AS 2x2 and 4x2. Directs waste from up to 12 samples into separate waste reservoirs. Ideal for open access to separate individual sample wastes. Requires presence of either the AS 2x2 or AS 4x2.



#### Third Solvent Modifier Pump

Controlled via PeakTrak and provides delivery of a third solvent at a fixed percentage during the purification.

## Teledyne ISCO

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Teledyne ISCO is continually improving its products and reserves the right to change product specifications, replacement parts, schematics, and instructions without notice.

