



Thermo Scientific Vanquish Charger Module

Separate your science from the status quo

Vanquish platform benefits

- Unsurpassed retention time and peak area precision
- High detector sensitivity and low baseline noise sensitivity
- Less maintenance and easy set-up with Thermo Scientific™ Viper™ fingertight fittings
- Dedicated solutions for exceptional LC-MS performance

Keywords

Vanquish Horizon, Vanquish Flex, Vanquish Duo, UHPLC, HPLC, sample management, automated sample loading

The Thermo Scientific™ Vanquish™ UHPLC platform is one of the most advanced HPLC systems available. Experience uncompromised UHPLC— with no trade-offs in performance, robustness or ease-of-use. Users of the Vanquish platform have all they need to solve their toughest analytical challenges with confidence.

Get more from your UHPLC with the addition of the Charger

Exclusive to the Vanquish UHPLC platform, the Charger module is an intelligent offering which provides greater walk-away time and reliable sample protection. This fully integrated robotic unit delivers environmentally controlled sample management and automated sample loading into the Vanquish UHPLC systems.

The unit contains a barcode reader that automatically inventories each plate or rack within the device every time the door is closed. This feature allows users to add samples at anytime, even while the Vanquish UHPLC system is in operation.

Advantages of the Vanquish Charger module

- Up to 9 sample racks, deep well plates, or 20 shallow well plates (15 mm height) in SBS format
- Innovative air stream cooling, even in challenging environments
- Full inventory management via barcode reading with empty shelf level detection and rack/well plate verification
- Full integration into Thermo Scientific™ Chromeleon™ Chromatography Data System (CDS) software

Specifications

Specification	Value
Cycle Time	<1 min
Sample Compartment Temperature Range	4–40 °C (≥22 K below ambient at <80% relative humidity (RH))
Sample Temperature Accuracy	-2 to +2 °C (at 25 °C, 50% RH)
Sample Temperature Stability	±0.5 °C (at 25 °C, 50% RH)
Sample Capacity	Shelf with 9 levels: <ul style="list-style-type: none">• Any 9 of the following (SBS footprint)• 54 × 12 mm OD vials (≤1.5 mL)• 96 × 6, 7 and 8 mm OD vials (≤1.2 mL)• 24 × 15 mm OD vials (≤4 mL)• Deep well plates (96 and 384) Shelf with 20 levels: <ul style="list-style-type: none">• Any 20 of the following (SBS footprint)• Shallow well plates (96 and 384)
Automation Features	Barcode reading: <ul style="list-style-type: none">• Empty shelf level detection• Rack/well plate verification• Inventory management
GLP	All system parameters logged in the Chromeleon CDS Audit Trail
PC Connection	USB 2.0
Safety Features	Rack/plate detection sensor, magnetic door lock, door status detection
Power Requirements	100–240 VAC, 50/60 Hz, max. 350 W/352 VA
Environmental Conditions	5–35 °C 20–80% RH (non condensing)
Dimensions (h × w × d)	750 × 339 × 620 mm (29.5 × 13.3 × 24.4 in.)
Weight	<35 kg (77.2 lbs.)

Ordering information

Description	Part Number
Vanquish Charger without shelf and racks	VH-A90-A
Accessories	
Shelf, 20 levels for shallow well plates	6900.1010
Shelf, 9 levels for deep well plates and sample racks	6900.1020
Sample rack, 54 pos, 12 mm OD vials	6850.1023
Sample rack, 96 pos, 6 mm OD vials	6850.1026

Find out more at thermofisher.com/vanquish

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