

Thermo Scientific Versette

User-Friendly Liquid Handling
in a Compact Format

The Thermo Scientific Versette is a compact automated liquid handler that fits a wide range of research laboratories. A choice between 96- or 384-channel pipetting heads and user friendly programming combined with reliable performance makes it an ideal choice for liquid handling needs of most laboratories. Versette™ is designed to perform a variety of liquid handling tasks for a wide range of applications including high-throughput immunoaffinity sample preparation with Mass Spectrometric Immunoassay (MSIA™) pipette tips. It also supports 96/384 plate replication, plate stamping and serial dilution procedures.



96- and 384-channel pipetting heads

Versette automated liquid handler is compatible with interchangeable 96- and 384-channel pipetting heads with a total volume range 0.5 – 300 µl. All pipetting heads utilize disposable tips and include RFID tags to self-identify.

Consumables for Optimized Performance

The 96- and 384-channel pipetting heads utilize Thermo Scientific D.A.R.T.'s (Disposable Automation Research Tips) tips which include a unique surface seal design that ensures accurate and precise pipetting by forming an even seal across all pipetting channels. D.A.R.T.'s™ technology guarantees accurate and precise pipetting results in all applications across the pipetting range.

Compact size

The compact design of the Versette automated liquid handler allows it to fit on standard laboratory benches and biological hoods. The unit is equipped with a safety shield to ensure maximal user safety. The six position stage uses a unique dual-level design to further minimize space requirements.

User-Friendly Programming Options

The user can start creating simple pipetting procedures using the visual icon-based on-board graphical display which makes operation simple and easy. For more complex

protocols and advanced editing PC-based Thermo Scientific ControlMate® software is available. With the ControlMate software you can easily create and run a variety of pipetting operations, from repetitive transfers to complex sequences.

Wide range of applications

The Versette delivers consistent and reliable performance for a variety of applications including plate stamping, plate reformatting, serial dilution and many other applications in low to high-throughput laboratories. The instrument also serves as an immunoaffinity sample preparation platform within our new Thermo Scientific Mass Spectrometric Immunoassay (MSIA) integrated workflow. The MSIA tips are compatible with the Versette liquid handler where sample binding, wash and elution steps are automated to facilitate cycling of sample and the appropriate buffers through the micro-column embedded in the pipette tip. The complete walk-away immunoaffinity system offers increased sample throughput while providing high assay reproducibility.



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Specifications

Volume range	0.5 – 300 µl (depending on the pipetting head type)
Compatible labware	96-, 384- well plates with different heights, storage tubes in rack (Thermo Scientific 0.5-1.4 mL)
Operating system	Windows XP, Windows Vista (32- and 64-bit), Windows 7 (32- and 64-bit)
Interface	RS-232
Dimensions (WxDxH)	68x55x68 cm (27x22x27 in) base unit with 6 position stage
Weight	54.4 kg (120 lbs.) base system (heads / pipetting module not included), 36 kg (80 lbs.) Base (tower), 18.1 kg (40 lbs.) 6 Position Stage, 11.8 kg (26 lbs.) NTC Pipetting Module, 12.7 kg (28 lbs.) Pump Module, 2.7 kg (6 lbs.) Hood
Power requirements	100-240V, 50/60 Hz
Warranty	1 year

Pipetting accuracy and precision

Cat.No.	Description	Accuracy	Precision
650-06-9630	96 Channel air displacement pipetting head. Volume 0.5-30 µl	2.0% or 0.15 µl	1.5% or 0.10 µl
650-06-96300	96 Channel air displacement pipetting head. Volume 5-300 µl	2.0% or 1.00 µl	1.5% or 0.75 µl
650-06-384100	384 Channel air displacement pipetting head. Volume 1-100 µl	2.0% or 0.50 µl	1.5% or 0.25 µl

Ordering information

Cat.No.	Description	Note
650-01-BS	Versette base unit	Stage, head housing and pipetting head required for use
650-02-NTC	96- and 384-channel housing assembly	For use with 96- and 384-channel pipetting heads
650-03-SPS	6-position stage, guarding included	
650-04-PUMP	Pump module	Optional accessory, used for tip washing/reagent replenishing
650-05-96TTW	96 channel tip wash station, tall	Optional accessory
650-05-384TTW	384 channel tip wash station, tall	Optional accessory

Consumable compatibility (D.A.R.T.'s)

Pipetting Head		Compatible D.A.R.T.'s	
Cat.No.	Description	Cat. No.	Description
650-06-9630	96-ch. Volume 0.5-30 µl	5586 (ns)* / 5587 (sterile) / 5588 (sterile filtered)	96-ch. 0.5-30 µl
		5506 (ns)* / 5507 (sterile) / 5508 (sterile filtered)	96-ch. 0.5-30 µl extended length
650-06-96300	96-ch. Volume 5-300 µl	5516 (ns)* / 5517 (sterile) / 5518 (sterile filtered)	96-ch. 5-300 µl
		5536 (ns)* / 5537 (sterile) / 5538 (sterile filtered)	96-ch. 5-300 µl extended length
		5546 (ns)* / 5547 (sterile) / 5548 (sterile filtered)	96-ch. 5-300 µl extended length, wide bore
650-06-384100	384-ch. Volume 1-100 µl	5326 (ns)* / 5327 (sterile) / 5328 (sterile filtered)	384-ch. 1-100 µl

* ns = non-sterile

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