APRICOT DESIGNS

PP-M Series Personal Pipettor™

The PP-M series offers 96 or 384 channel high performance pipetting that is ideal for low-volume or high-volume multichannel microplate pipetting and for serial dilution applications. Four models are available: The **PP-96H-M** for working with 96 channels at higher volumes, the **PP-96L-M** for working with 96 channels at low volumes, the **PP-96H-H** with extended height for working with 96 channels with deck accessories such as vacuum blocks, and the **PP-384-M** for working with 384 or 96 channels at low volumes. The microprocessor-controlled pipetting mechanism provides accurate and precise pipetting of microliter volumes of samples into 96, 384 or 1536-well microplates using a new graphical interface via a connected Apple® iPad. The high-speed pipetting system provides short processing times by delivering liquids through 96 or 384 channels simultaneously with precise volume control.

precise • compact • reliable • affordable • versatile • easy to use

The Personal Pipettor (PP) is a popular series of affordable liquid handling systems with the versatility and reliability required for today's demanding laboratory environment. The PP series offers the majority of automated features that many laboratories need at a reasonable price, making it possible for each technician to truly have their own "personal" pipettor.

The PP-M series uses Apricot Designs' unique head design which employs high-precision manufacturing to produce reasonably-priced heads that are independent of the pipetting mechanism. The PP-M electronically clamps the pipetting heads in a manner of seconds, allowing simple and easy set-up for the task at hand. It will automatically index the pipetting head via software programming if necessary for accessing 384-well plates with a 96-channel version or 1536-well plates with a 384-channel version.

Features and Benefits

- Flexible design for liquid transfers and pipetting operations for 96, 384 and 1536-well microplates and can also be used for serial dilutions by row or column.
- Uses the unique easy-change head system from Apricot Designs, allowing the user to build a diverse head library with a reasonable investment. The heads are interchangeable with other Apricot pipettors.
- 5-position deck with wash station allows walkaway plate reformatting of 4x96 to 1x384 or 1x384 to 4x96.
- Intuitive graphical user interface using Apple® iPad app.
- Small footprint conserves bench space and fits easily into suitably-sized hoods.

Automation

- The open deck design makes it easy to use robotics to supply labware and disposable tips to the PP series. It can be integrated as part of an automation workcell by combining it with laboratory automation software and robotics from third party integration providers.

Options

- **PP-96L-M** model: Low-volume version with 96 125 ul pipetting channels for optimal pipetting as low as 0.5 ul.
- **PP-96H-M** model: High-volume version with 96 550 ul pipetting channels for up to 550 ul pipetting.
- **PP-96H-H** model: High-volume version with 96 550 ul pipetting channels with extended height.
- **PP-96L-M** model: Low-volume version with 384 125 ul pipetting channels for optimal pipetting as low as 0.5 ul.

Options

- Fixed tip heads with 8, 12, 16, 24, 96 and 384 channels.
- Disposable tip heads with 8, 12, 16, 24, 96 or 384 channels for Apricot EZ-Load tips or Apricot 550 tips.
- Tip washing system with recirculating pump.
- Optional Bluetooth wireless control for serial connection to computer.

Applications

- Plate replication.
- Plate reformatting.
- Reagent addition.
- Compound addition.
- Serial dilution (by row or column).
- SPE (PP-96H-H model).

Specifications

Dispensing Precision	<3% CV at 1 ul (96L)
	<3% CV at 1 ul (384)
	<3% CV at 5ul (96H)
Dispensing Accuracy	+/- 2% at 1 ul (96L)
	+/- 2% at 1 ul (384)
	+/- 2% at 10 ul (9H)
Resolution	0.1 ul (384/96L)
	1 ul (96H)
Pipette Volume	0.5 - 125 ul (96L/384)
	1-550 with (96H)
Dimensions	19"L x 28"W x 23.5"H
	483L x 711W x 597H mm
Operating Width	39.5"/1003mm
Weight	Approx. 98 lbs (45 kg)
Power	100 to 240 VAC, 50/60 Hz
Operating Temperature	50 - 100 ºF

Designs that make sense

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www.apricotdesigns.com