

# pipetmaX®

## Maximize Reproducibility of Your Biological Sample Prep

SPEC SHEET | LIQUID HANDLING

PIPETMAX®

**Maximize pace and capabilities with the ultimate lab assistant**

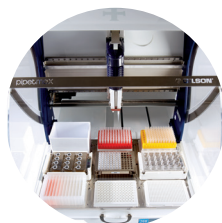
**Maximize consistency in routine pipetting tasks**

**Maximize reproducibility in biological assays**



### PIPETMAX Versatility

- Ideal for PCR, qPCR, cell-based assays, NGS prep, ELISA prep, and tip-based sample prep all on the same PIPETMAX
- Flexible settings for various sample types, including aqueous, cells, tissue cultures, and biological fluids
- Large working volume dynamic range of 1–1200 µL
- Many types of labware and devices: 96- and 384-well microplates, strip plates, and cell culture formats
- PIPETMAN® standards in reproducibility, precision, and accuracy
- Easy configuration and run with a simple, user-friendly interface



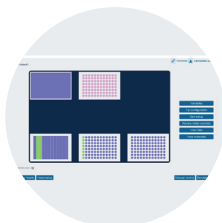
#### Free yourself from tedious sample prep work

Let PIPETMAX prepare samples for you! Enjoy more freedom away from the bench and focus on what's important—your next discovery.



#### Reliable and consistent results

With PIPETMAN inside, you can trust your pipetting to be reliable and consistent—plate to plate, lot to lot, time after time.



#### A truly configurable system

Configure your runs using any reagent and any protocol you want. The hardware and software are built to be adaptable to the unique needs of your research.



#### Versatile

Your choice of hardware to fit your needs and pipette heads can be calibrated like PIPETMAN.

# TECHNICAL SPECIFICATIONS - PIPETMAX® 268

Volumetric Specifications For Transfers	MAXIMUM PERMISSIBLE ERRORS					
	Pipette Head	Volume (µL)	Systematic Error (µL)	Random Error (µL)	Systematic Error (%)	Random Error (%)
	MAX8x20	1	±0.08	≤ 0.05	8.00	5.00
		10	±0.15	≤ 0.10	1.50	1.00
		20	±0.25	≤ 0.12	1.25	0.60
	MAX8x200	20	±0.50	≤ 0.16	2.50	0.80
		100	±1.00	≤ 0.30	1.00	0.30
		200	±2.00	≤ 0.50	1.00	0.25
	MAX4x1200	50	±4.00	≤ 0.70	8.00	1.40
		120	±4.00	≤ 0.70	3.33	0.58
		600	±6.00	≤ 1.50	1.00	0.25
		1200	±9.60	≤ 1.80	0.80	0.15

Pipette Heads and PIPETMAN® DIAMOND Tips (Sterilized option available for some tips)	Pipette Head	PIPETMAN® DIAMOND Tips	Pipette Head Volume Range (µL)	Flow Rate Range (mL/min)
	MAX8x20	DL10	1-20	0.0225-3.75
		DFL10	1-10	
		DF30	1-20	
		D200	1-20	
	MAX8x200	D200	20-200	0.225-37.5
		DF200	20-200	
	MAX4x1200	D1200	50-1200	1.125-187.5
		DF1200	50-1200	

Communication	USB	
Connections	Three USB host ports and one USB device port Two inputs (contact closure, TTL), two relay outputs, and one switched ±12V DC 1A output <b>NOTICE: Switching voltages higher than 30V or greater than 1A of current may damage the instrument</b>	
Control	Touchscreen tablet, or PC control via USB and TRILUTION® micro software	
Dimensions (W x D x H)	<b>PIPETMAX with rotating cover</b> 54.4 x 65.5 x 53.1 cm (21.4 x 25.8 x 20.9 in.) <b>PIPETMAX with rotating cover installed on optional riser assembly for off-bed tip disposal</b> 54.4 x 65.5 x 69.6 cm (21.4 x 25.8 x 27.4 in.) <b>PIPETMAX without rotating cover</b> 50.8 x 64.3 x 49.5 cm (20 x 25.3 x 19.5 in.) <b>PIPETMAX without rotating cover installed on optional riser assembly for off-bed tip disposal</b> 52.3 x 65 x 65.8 cm (20.6 x 25.6 x 25.9 in.)	
Environmental conditions	<b>Altitude:</b> up to 2000 m <b>Temperature range:</b> 5°C-40°C <b>Humidity:</b> Maximum relative humidity 80% for temperatures up to 31°C, decreasing linearly to 50% relative humidity at 40°C	
Front Panel	Two USB host ports and STOP button	
Liquid Contact Materials	DESCRIPTION	MATERIAL
	Tips	100% Virgin Polypropylene
	Tip Disposal Bin	Pro-fax 6523 (Polypropylene with colorant)
	Tip Disposal Bin (Off-bed)	Polypropylene
	Tip Chute	Pro-fax 6523 (Polypropylene with colorant), Aluminum 5052 with Hentzen, URA-ZEN, White, Matte Finish, Fine Texture Paint
Power Requirements - External Power Supply	<b>Voltage Input:</b> Frequency: 50 to 60Hz; Voltage: 100-240V AC <b>Voltage Output:</b> Voltage: 24V DC; Current Rating: 6.25A, 150W	
Removable Tray Capacity	9-position removable tray (microplate footprints, but not for 384-well microplates) 9-position removable tray for 384-well microplates	
Safety and Compliance	PIPETMAX has been certified to safety standards specified for Canada, Europe, and the United States. Refer to the instrument rear panel label and the Declaration of Conformity document for the current standards to which the instrument has been found compliant.	