pipetmaX® 268

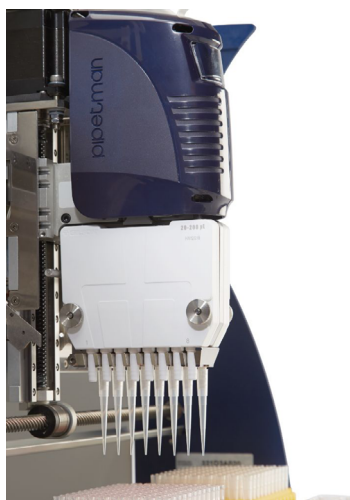## MAXIMIZE EFFICIENCY:
AUTOMATE ROUTINE PIPETTING AND SAMPLE PREP

PIPETMAX® 268 is designed to take over time-consuming pipetting tasks such as PCR, qPCR, ELISA preparation, NGS library prep, and cell-based assays. By automating these repetitive steps, it reduces user fatigue and human error, increases throughput, and allows researchers to focus on data analysis and experimental design rather than manual labor at the bench.

MAXIMIZE CONSISTENCY:
ACHIEVE HIGH-QUALITY RESULTS

With PIPETMAN® level precision and accuracy built in, PIPETMAX 268 ensures your results are highly reproducible—plate to plate, lot to lot, and experiment to experiment. Whether you're preparing biological assays or sensitive molecular workflows, you can trust it to deliver reliable performance every time, enhancing the credibility and repeatability of your research.

MAXIMIZE CAPABILITY:
ADAPTABLE FOR A WIDE RANGE OF APPLICATIONS AND SAMPLES

The system supports a broad working volume range of 1–1200 µL, making it suitable for a variety of protocols. It accommodates different labware types including 96 and 384-well plates, strip plates, and cell culture formats. Whether you're handling aqueous reagents, biological fluids, tissue culture supernatants, or cell suspensions, PIPETMAX 268 provides the flexibility your lab demands.

MAXIMIZE YOUR SPACE:
EASY TO USE, FULL CONFIGURABLE SYSTEM

Equipped with an intuitive software interface, PIPETMAX 268 is easy to set up and operate, even for users with minimal automation experience. Its modular design and customizable software allow you to configure runs to match your specific protocols and reagents. Pipette heads are calibrated to PIPETMAN standards, ensuring precision is maintained across all configurations.

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 **NOTICE: Switching voltages higher than 30V or greater than 1A of current may damage the instrument**
Control	Touchscreen tablet, or PC control via USB and TRILUTION® micro software
Dimensions (W x D x H)	**PIPETMAX 268 with rotating cover** 54.4 x 65.5 x 53.1 cm (21.4 x 25.8 x 20.9 in.) **PIPETMAX 268 with rotating cover installed on optional riser assembly for off-bed tip disposal** 54.4 x 65.5 x 69.6 cm (21.4 x 25.8 x 27.4 in.) **PIPETMAX 268 without rotating cover** 50.8 x 64.3 x 49.5 cm (20 x 25.3x 19.5 in.) **PIPETMAX 268 without rotating cover installed on optional riser assembly for off-bed tip disposal** 52.3 x 65 x 65.8 cm (20.6 x 25.6 x 25.9 in.)
Environmental conditions	**Altitude:** up to 2000 m **Temperature range:** 5°C–40°C **Humidity:** 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	**Voltage Input:** Frequency: 50 to 60Hz; Voltage: 100–240V AC **Voltage Output:** 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 268 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.

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