www.dia-m.ru

ДИА•М



pipetman®m

Progress made simple!



EASY TO USE

ADVANCED ERGONOMICS

TRUSTED RESULTS



PIPETMAN® M is the latest motorized member of the PIPETMAN family from Gilson. PIPETMAN M is a fusion between the renowned accuracy, precision and robustness of the PIPETMAN Classic and user-friendly functions that will simplify your work day. PIPETMAN M is so easy to use that you won't have to change the way you pipette, whether using the single or the multichannel version!



Easy to use

No need to change how you pipette!

USE PIPETMAN M LIKE A MECHANICAL PIPETTE

Keep your technique consistent by using only one button to adjust the volume and to pipette.

ALL YOU NEED IN ONE PIPETTE TO OBTAIN TRUSTWORTHY RESULTS!



Simplify your daily routine with the intuitive software: no instruction necessary!

Easy navigation with direct access to all supplementary functions thanks to the mode button:

- 4 essential pipetting modes: pipetting, repetitive, mix and reverse.
- Piston speed adjustment.
- Configuration: Service, Easy readjustment, Maintenance.

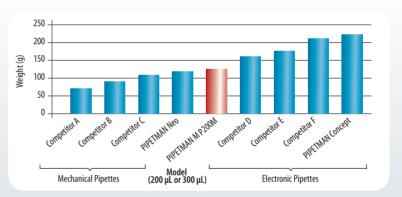
Advanced ergonomics

Minimal effort, maximum comfort!

Discover the differences! PIPETMAN M offers the same legendary robustness, accuracy and precision as the PIPETMAN Classic with additional features that will make your work easier...

OPTIMIZED BALANCE

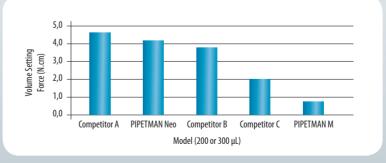
Lightweight, but built with strong materials and components make PIPETMAN M one of the lightest motorized pipettes ever. Its optimized weight gives you a perfectly balanced pipetting sensation.



IMPROVED COMFORT

PIPETMAN M contributes to lowering Repetitive Strain Injuries (RSI):

- Thanks to its motor, PIPETMAN M offers you pipetting with minimized pipetting forces.
- Low ejection and volume setting forces assist the progress of your daily work.



Always operational

Save time, improve efficiency!

USE WHILE CHARGING

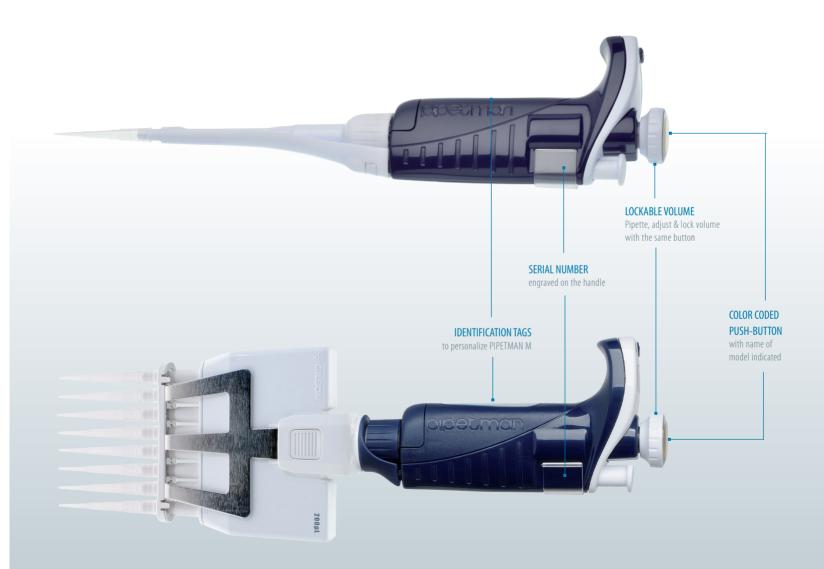
PIPETMAN M can be used while charging without compromising performance.

LONGER USE BETWEEN CHARGE CYCLES

The Lithium-ion battery inside PIPETMAN M has been designed to ensure 900 pipetting cycles at maximum speed (up to seven 96 well plates) between charge cycles. PIPETMAN M charges 80 % of its full battery capacity in less than an hour and takes only three hours to fully charge.

Clever GLP features

Good Laboratory Practice (GLP) features ensure the high quality and reliability of your work.



pipetman[®] 🗖

More than a multichannel pipette... it's a PIPETMAN M!

Enjoy the ease of use of PIPETMAN M combined with the well-known advantages of the PIPETMAN **Neo multichannel lower part!**

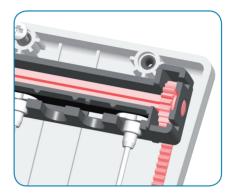
is society

Innovative patented piston drive mechanism

Absolute consistency in volume distributed!

The specific rack rail mechanism guarantees identical performance on each channel.

Thanks to an exclusive patented piston drive mechanism, the pressure is applied consistently and simultaneously on each **piston**, resolving the common downfall of multichannel pipettes: disparities between channels of the volume distributed.



2 Ingenious tip ejector technology

Best protection from Repetitive Strain Injuries (RSI)!

For more comfort, the ejector spacer has been designed to apply equal ejection forces over each tip sequencially.

This symetric system **drastically** reduces tip ejection forces and risks of RSI.

3 Unique tip-holder design

No need to purchase a dedicated tip brand!

Successive rings have been positioned depending on the pipette volume range to guaranty the snug fit of tips throughout the protocols.

P200

Complete range

Available in single and multichannel version!

8 models cover a range of volumes from 0.5 μ L to 1000 μ L.

Model	Ordering reference	Volume range	Color code
	SINGLE CHANN	IEL MODELS	
P10M	F81001	0.5 μL to 10 μL	P10 O 0.5-10 µL
P20M	F81002	2 μL to 20 μL	⊕ P20 ⊕
P200M	F81003	20 μL to 200 μL	9 P200 9 M 20-200 µL
P1000M	F81004	100 μL to 1000 μL	BP1000 M 100-1000 µL
	MULTICHANNI	EL MODELS	
P8x20M	F81005	1 μL to 20 μL	9 P20 9 1-20 µL
P12x20M	F81006	1 μL to 20 μL	⊕ P20 ⊕
P8x200M	F81007	20 μL to 200 μL	© P200 © 20-200 µL
P12x200M	F81008	20 μL to 200 μL	9 P200 9 20-200 µL

power carrousel™

PIPETMAN M exclusive charging stand!

This rotating stand, which holds up to 5 PIPETMAN M (single and multichannel), stores and charges your entire pipette set at one time on a minimum bench space!

Protect your PIPETMAN M from shocks and contaminations, and improve your efficiency by keeping your tools always operational!

Ordering reference: FB1001

Trusted results

Best results guaranteed with a performance exceeding ISO 8655 recommendations.

PIPETMAN M single and multi's specifications are more stringent than those required to be ISO 8655 compliant.

PIPETMAN M helps to avoid variable results between users, thanks to motorized pipetting. This special feature guarantees highly reproducible results, especially on small volumes.

		N	Maximum Permissible Errors				
Model	Volume	Gil	Gilson		ISO 8655		
		Systematic error (µL)	Random error (μL)	Systematic error (µL)	Random error (µL)		
SINGLE CHANNEL MODELS							
P10M	Min.: 0.5 1 5 Max.: 10	± 0.040 ± 0.025 ± 0.060 ± 0.080	≤ 0.013 ≤ 0.012 ≤ 0.020 ≤ 0.025	± 0.12 ± 0.12 ± 0.12 ± 0.12 ± 0.12	≤ 0.08 ≤ 0.08 ≤ 0.08 ≤ 0.08		
P20M	Min.: 2 10 Max.: 20	± 0.075 ± 0.100 ± 0.150	≤ 0.025 ≤ 0.035 ≤ 0.050	± 0.2 ± 0.2 ± 0.2	≤ 0.1 ≤ 0.1 ≤ 0.1		
P200M	Min.: 20 100 Max.: 200	± 0.40 ± 0.80 ± 1.00	≤ 0.15 ≤ 0.22 ≤ 0.26	± 1.6 ± 1.6 ± 1.6	≤ 0.6 ≤ 0.6 ≤ 0.6		
P1000M	Min.: 100 500 Max.: 1000	± 2.5 ± 3.5 ± 5.0	≤ 0.4 ≤ 0.7 ≤ 1.1	± 8.0 ± 8.0 ± 8.0	≤ 3.0 ≤ 3.0 ≤ 3.0		
MULTICHANNEL MODELS							
P8x20M P12x20M	Min.: 1 10 Max.: 20	± 0.08 ± 0.15 ± 0.25	≤ 0.05 ≤ 0.10 ≤ 0.12	± 0.4 ± 0.4 ± 0.4	≤ 0.2 ≤ 0.2 ≤ 0.2		
P8x200M P12x200M	Min.: 20 100 Max.: 200	$\pm 0.50 \\ \pm 1.00 \\ \pm 2.00$	≤ 0.16 ≤ 0.30 ≤ 0.50	± 3.2 ± 3.2 ± 3.2	≤ 1.2 ≤ 1.2 ≤ 1.2		

Also available to you:

Utilizing the PIPETMAN M Stand Adapter is one more way to simplify your work day!

PIPETMAN M Stand Adapter has been designed to fit perfectly on Gilson CARROUSEL stand and SINGLE[™] pipette holder (Ref. F161406). It combines two features in one: it holds and it charges your pipette at the same time!



Stand Adapter (Ref. F807023) CARROUSEL[™] stand (Ref. F161401)



Gilson's Pipetting System

Your protocols and experiments require more than just generic pipette tips. Indeed, tips are essential components of your pipetting system. According to ISO 8655-2*:

"The maximum permissible errors always apply to the total system of piston pipette and tip. When using pipette tips not delivered by the pipette supplier, the supplier declaration or certificate of conformity does not apply".

*ISO 8655 is an international standard for "piston operated apparatus". It defines, among other things, terms and definitions regarding piston operated pipettes and their testing, testing procedure and maximum permissible errors.

Model (scale 1/2) Volume rang SINGLE CHANNEL MODELS 010 0.1 - 10 µL P10M D10 0.1 - 20 µL P20M DF10 0.1 - 10 µL P20M D200 2 - 200 µL P200 D2 - 200 µL D300 20 - 300 µL P200M DF200 20 - 200 µL D100 100 - 1000 µL P1000M DF300 20 - 300 µL D1000 100 - 1200 µL P1000M DF1000 100 - 1200 µL D100 - 1200 µL D100 - 1200 µL P1000M DF100 D1 - 10 µL DF100 0.1 - 20 µL P1000M DF100 D1 - 10 µL DF30 2 - 30 µL P1000 DF30 2 - 30 µL DF30 2 - 30 µL P12x20M DF30 2 - 30 µL DF30 <td< th=""><th></th><th colspan="4">Recommended PIPETMAN DIAMOND tips</th></td<>		Recommended PIPETMAN DIAMOND tips			
P10MD100.1 - 10 μLP10MDL100.1 - 20 μLP20MDF100.1 - 10 μLP20MD2002 - 200 μLP20MDF302 - 30 μLP200MDF302 - 30 μLP200MDF302 - 200 μLD10DF30020 - 300 μLD10DF30020 - 300 μLD100DF30020 - 300 μLD100DF30020 - 300 μLD100DF30020 - 300 μLD100DF1000100 - 1000 μLD100DF1000100 - 1200 μLD100DF1200100 - 1200 μLD100DF1200100 - 1200 μLD110O.1 - 20 μLDF1200DF120100 - 1200 μLDF1200DF302 - 30 μLP8x20MDF302 - 30 μLP8x20MDF302 - 30 μLP8x20MDF302 - 30 μLD110O.1 - 20 μLDF30D110O.1 - 20 μLD110D1 - 10 μLD110D1 - 10 μLD110D1 - 10 μLD110D2002 - 200 μLD110D1 - 100 μL<	Pipette model	Model (scale 1/2)		Volume range	
P10MDL100.1 - 20 μLP20MDF100.1 - 10 μLP20MD2002 - 200 μLP200MDF302 - 30 μLP200MD7302 - 200 μLP200MD720020 - 200 μLP1000MD1000100 - 1000 μLP1000MD1000100 - 1000 μLP12x20MD1100.1 - 20 μLP8x20M & P12x20MD1000.1 - 20 μLP8x20M & AD1000.1 - 20 μLP8x20M & & AD1000.1 - 20 μLP12x20MD1000.1 - 20 μLP12x20MD1000.1 - 20 μLP12x20MD1000.1 - 20 μLP12x20MD1000.1 - 20 μLD100D1000.1 - 10 μLD100D1000.1 - 10 μLD100D1000.1 - 100 μLD100D1000.1 - 100 μLD100D1000.1 - 100 μLD100 <th< th=""><th></th><th>SINGLE CHANNEL</th><th>MODELS</th><th></th></th<>		SINGLE CHANNEL	MODELS		
P10M DF10 0.1 - 10 μL P20M DFL10 0.1 - 10 μL P20M D200 2 - 200 μL P20M DF30 2 - 30 μL P200M D200 2 - 200 μL D200 2 - 200 μL D300 20 - 300 μL P200M DF200 20 - 200 μL D300 20 - 300 μL D100 DF200 20 - 200 μL DF300 20 - 300 μL D1000 D100 - 1000 μL DF100 100 - 1200 μL D1000 DF100 100 - 1200 μL DF100 100 - 1200 μL DF1200 DF100 D10 - 1200 μL DF1200 100 - 1200 μL P8x20M DF10 0.1 - 20 μL DF30 2 - 30 μL P12x20M DF30 2 - 30 μL D200 2 - 200 μL P8x20M DF30 2 - 30 μL D200 2 - 200 μL D200 2 - 200 μL D200 2 - 200 μL D200 μL P12x20M DF100 D10 - 100 μL D7 - 00 μL D7 - 00 μL D1 - 100 μL			D10	0.1 – 10 μL	
P20M DF10 0.1 - 10 µL P20M D200 2 - 200 µL P20M D200 2 - 30 µL P20M D200 2 - 200 µL P200M D200 2 - 200 µL P1000M D100 D20 - 200 µL P1000M D100 100 - 1000 µL P1000M D100 0.1 - 20 µL P1000M D100 0.1 - 10 µL P12x20M D10 0.1 - 10 µL P12x20M D100 2 - 200 µL P12x20M D10 D1 - 100 µL P12x20M D10 D1 - 100 µL P12x200M D10 D1 - 100 µL </td <td>DIOM</td> <td></td> <td>DL10</td> <td>0.1 – 20 μL</td>	DIOM		DL10	0.1 – 20 μL	
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δ DF100 10 – 100 μL P12x200M DF200 20 – 200 μL			D200	2 – 200 μL	
& DF100 10 - 100 μL P12x200M DF200 20 - 200 μL	P8x200M	4-3	D300	20 – 300 μL	
Δ-200 μL	&		DF100	10 – 100 μL	
DF300 20 – 300 μL	P12x200M		DF200	20 – 200 μL	
			DF300	20 – 300 μL	

As a member of our PIPETMAN[®] family, pipetman[®] m

is compatible with most leading tip brands.

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