

REPETMAN®

*Electronic Motorized
Repetitive Pipette*



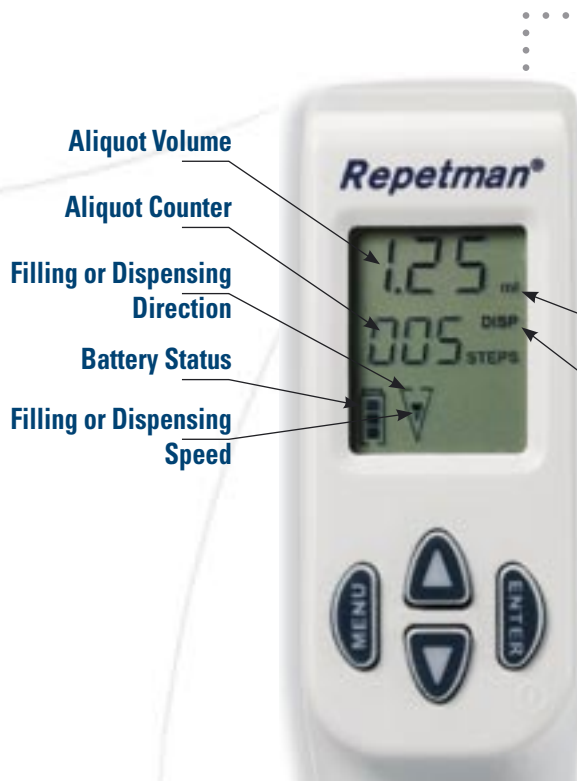
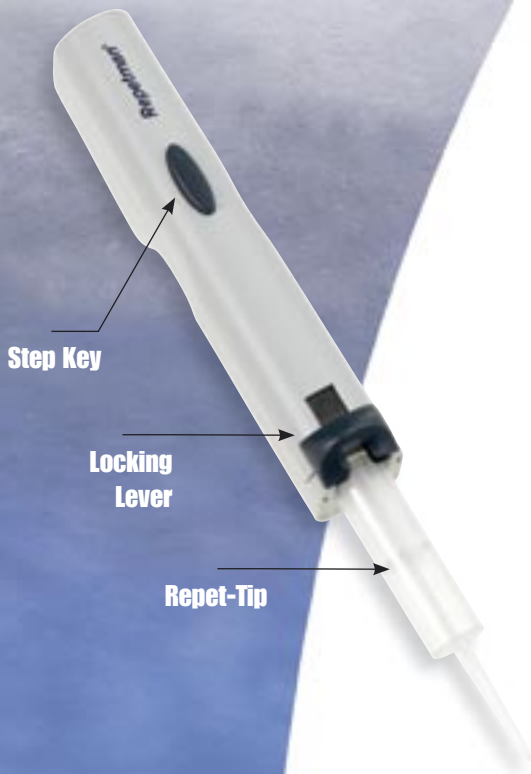
Ideal for routine applications in the clinical, biological, chemical, pharmaceutical, food and beverage, cosmetic and forensic fields, with incredible reliability and performance.

Higher Productivity

- > **Motorized drive**, for a fast and convenient repetitive dispensing: filling micro-plates, large batches of vials, etc.
- > **Up to 100 aliquots** dispensed from a single aspiration.
- > **Large capacity with the 50 mL Repet-Tip**, no need to frequently refill.

Comfortable

- > **Ergonomic design**, fits naturally in either hand for smoother repetitive pipetting every day!
- > **Extremely low activation force**, just press the step key to dispense.
- > **Motorized drive**, virtually eliminates the risk of Repetitive Strain Injuries (RSI).
- > **Easy one-handed operation**, the other hand remains free for handling the vessels.
- > **Automatic tip size identification**, no need to calculate or manually set the tip size.
- > **Intuitive menu-driven operation**, easy-to-use keypad enables quick and simple set-up.
- > **Lightweight, fatigue-free operation** for routine laboratory tasks.
- > **Large LCD screen**, all parameters are displayed large and clear.
- > **Auto Power Off**, prolongs battery's life.



All information at a glance!

All operating information are clearly displayed on a large LCD screen with symbols, words and values. Four control keys allow for straightforward menu navigation and setting.

Volume Unit

Operating Mode

Dispensing – "DISP": Dispenses up to 100 predefined aliquot volumes from a single aspiration.

Automatic-Dispensing – "AUTO-DISP": The "learn" function detects the user's pipetting rate over the first three dispensing steps and then automatically adjusts the dispensing rhythm. No need to pre-program the time interval.

Pipetting – "PIP": A set volume is aspirated and dispensed.

High Performance

User selectable Volume Adjustment from 1 μL to 50 mL including non-standard volumes such as 8.03 μL , 64.1 μL , 2.07 mL, 14.9 mL, 47.6 mL. No pre-set values eliminate tedious calculations for a simplified, hassle-free, repetitive pipetting.

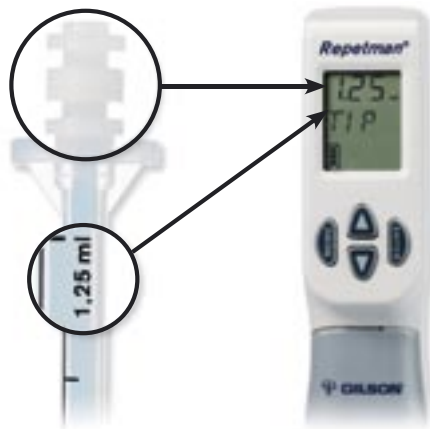
- > **Positive-displacement pipette**, only one pipette for both aqueous and problem liquids (volatile or viscous).
- > **Independent Speed Adjustment**, filling and dispensing speeds can be set individually.
- > **Precision drive mechanism** allows increments as low as 0.01 μL .

Compatible with most Standard Tips

The special tip connector accepts most standard repetitive pipette tips such as Eppendorf® Combitips® plus, Gilson DistriTips® and many others. The operator then sets the tip size manually.

Large Choice of Repet-Tips

Eight encoded Repet-Tip sizes (50, 25, 12.5, 5.0, 2.5, 1.25, 0.5, 0.1 mL) are available in non-sterile and sterile versions. The blister pack sterile version is certified free of pyrogens (endotoxins). Finding the optimal balance between accuracy and aliquot volume is simplified.



Automatic Tip Size Identification

The unique tip-size encoding system automatically identifies the Gilson Repet-Tip size and instantly displays the tip volume as it is inserted.

Virtually Continuous Pipetting

A second battery may be fully charged in 2.5 hours while the operator uses Repetman. After 3 minutes of inactivity, the Auto Power Off system turns the instrument off to conserve battery power.



Technical Specifications

Volume range	1 µL to 50 mL (with 8 Repet-Tip sizes)
Aspirating & Dispensing speed	Low, medium and high
Number of aliquots	1 to 100
Aliquot volume	From minimum to nominal volume of the tip
Dispense modes	Dispensing, Auto-dispensing, Pipetting
Operating temperature	15 – 40 °C
Vapor pressure	Up to 500 mbar
Viscosity	Up to 20 mPa.s with a 50 mL tip Up to 260 mPa.s with a 5 mL tip Up to 977 mPa.s with a 1.25 mL tip
Weight without battery (g)	84
Weight with battery (g)	110
Dimensions (mm)	180 x 34 x 60
Battery pack autonomy (hrs)	2.5 in intensive use with a 12.5 mL tip
Battery charging time (hrs)	2.5 out of the instrument, 3.5 inside the instrument
Charging stand input	12V/500mA

Performance Data - Gilson Repetman with Repet-Tips

Repet-Tip size (mL)	Vol. range	Systematic error (±)								Random error (≤)							
		100 %		50 %		10 %		1 %		100 %		50 %		10 %		1 %	
		%	µL	%	µL	%	µL	%	µL	%	µL	%	µL	%	µL	%	µL
0.1	1-100 µL	1	1	1.2	0.6	1.6	0.16	16	0.16	0.5	0.5	1	0.5	2	0.2	12	0.12
0.5	5-500 µL	0.9	4.5	0.9	2.25	0.9	0.45	9	0.45	0.25	1.25	0.5	1.25	1	0.5	6	0.3
1.25	12.5 µL-1.25 mL	0.6	7.5	0.6	3.75	0.9	1.13	8	1	0.15	1.88	0.3	1.88	0.6	0.75	3.5	0.44
2.5	25 µL-2.5 mL	0.5	12.5	0.5	6.25	0.8	2	8	2	0.1	2.5	0.2	2.25	0.4	1	2.5	0.625
5	50 µL-5.0 mL	0.5	25	0.5	12.5	0.8	4	8	4	0.08	4	0.15	3.75	0.3	1.5	1.5	0.75
12.5	125 µL-12.5 mL	0.4	50	0.4	25	0.5	6.25	5	6.25	0.08	10	0.15	9.38	0.25	3.13	1.25	1.57
25	250 µL-25 mL	0.3	75	0.3	37.5	0.3	7.5	3	7.5	0.08	20	0.15	18.75	0.25	6.25	1.25	3.13
50	500 µL-50 mL	0.3	150	0.3	75	0.3	15	3	15	0.08	40	0.15	37.5	0.25	12.5	1.25	6.25

The tolerances defined in ISO 8655 are not exceeded.

Ordering Information

Description	Reference Number
Repetman, EU plug (230V / 50Hz)	F164501
Repetman, US plug (110V / 50-60Hz)	F164502
Repetman, UK plug (230V / 50Hz)	F164503
Repetman, Australian plug (240V / 50Hz)	F164504
NiMH battery pack	F164595

Non Sterile Repet-Tip	Reference Number	Sterile Repet-Tip**	Reference Number
Repet-Tip (0.1 mL, box of 100)	F164510	Repet-Tip (0.1 mL, box of 100)	F164515
Repet-Tip (0.5 mL, box of 100)	F164520	Repet-Tip (0.5 mL, box of 100)	F164525
Repet-Tip (1.25 mL, box of 100)	F164530	Repet-Tip (1.25 mL, box of 100)	F164535
Repet-Tip (2.5 mL, box of 100)	F164540	Repet-Tip (2.5 mL, box of 100)	F164545
Repet-Tip (5.0 mL, box of 100)	F164550	Repet-Tip (5.0 mL, box of 100)	F164555
Repet-Tip (12.5 mL, box of 100)	F164560	Repet-Tip (12.5 mL, box of 100)	F164565
Repet-Tip (25 mL, box of 50*)	F164570	Repet-Tip (25 mL, box of 25*)	F164575
Repet-Tip (50 mL, box of 25*)	F164580	Repet-Tip (50 mL, box of 25*)	F164585

*includes 1 autoclavable adapter, ** sterile/endotoxin-free

Distributed by

ISO9001 Certified

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