Hybrid Pipette

Nichipette HB

Nichiryo Hybrid Pipette Debut!

Nichipet HB is next generation of pipeting tool. This pipetting tool is usable in either of a manual operation mode or a motorized operation mode.

As well known, pipettes are roughly divided into two types according to their operating method; hand-operated (manual/mechanical) pipettes and motor drive (electric hand held) pipettes.

The manual (mechanical) pipette: -

- 1) Good for delicate operation of liquid handling.
- Require some skill to perform a stable pipetting operation.
- Require much physical strength to treat a large number of specimens.

The motorized pipette:-

- 1) Many kind of liquid handling modes and useful functions are installed.
- 2) Difficult to control the pipetting delicately.
- 3) Can not continuously be used for a long period of time because of the limited battery capacity.

Both pipette have the above-mentioned characteristics, and this Hybrid Pipet Nichipet HB is launched by considering those features and benefits. It is possible to perform a stable pipetting operation and treat a large number of specimens in the motorized mode. Also if you select the mechanical (manual) operation mode, it is possible to control a pipetting operation delicately.



Now NICHIRYO delivers the Harmonization of two pipetting technologies to you.

Specification

Volume range	20-200ul、 100-1000ul			
Filter	Only 100-1000ul model			
Tip ejector	Manual			
Design	Right / Left handed			
Battery	Lithium-Ion 3.6V 800mAh			
Battery endurance	Up to 2,000 strokes (full charge)			
Motor	2 phase stepping motor			
Price				

Accuracy & Imprecision

	00-NHB-200		00-NHB-1000	
Accuracy (%)	20ul	± 3.0%	100ul	± 3.0%
	100ul	± 1.2%	500ul	± 1.2%
	200ul	± 0.8%	1000ul	± 0.8%
	20ul	< 1.0%	100ul	< 1.0%
Imprecision (%)	100ul	< 0.3%	500ul	< 0.3%
	200ul	< 0.2%	1000ul	< 0.2%

Price	

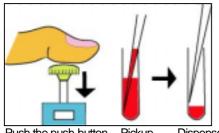
Function

Automatic power-off	After 15 minutes no action		
Parameter memory	As for setting value of each mode, the last time value is stored automatically.		
Battery alert	Battery charge state is displayed by 3 phases marking.		
Counter	Cycle counting number is displayed on the screen (depend on Mode)		
Automatic blow-out	Motor returned to the starting point automatically before power off.		
Motor speed control	5 steps (Mode 10)		
Date & Time setting	Input year, month, day and time (24 hours) (Mode 11)		
Beep sound ON/OFF	Can be select beep-sound ON and OFF (Mode 12)		
Electric charge	AC adapter (Possible to operate unit with charging) Pipet Stand (Option)		

Operation modes

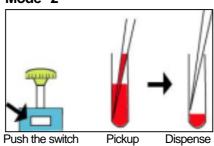
	Nome Cotting Operation Description					
	Name	Setting	Operation	Description		
Mode 1	Mechanical Pipetting	Dispense volume Manual		In case of manual operation, set the dispense volume.		
	MANUAL Mode	2100011001101110		and discount of the state of th		
Mode 2	Pipetting	Dispense volume Motorized		Pick up the selected volume, and then dispense at a time.		
Wode 2	PIPET Mode	Disperise volume	Motorized	Fick up the selected volume, and then dispense at a time.		
	Multiple Pipetting	Dispense number		Pick up the selected volume, and then dispense fixed volume.		
Mode 3	(automatic & manual)	Interval time	Motorized	Whenever push a switch - Manual		
	MULTI PIPET Mode	Pickup & Disp. volume		At setting intervals while a switch is pushed - Automatic		
Mode 4	Sequenced Pipetting	Dispense number	Motorized	Pick up the selected volume, then dispense different volume		
Wode +	DIFFER MULTI PIPET Mode	Pickup & Disp. volume	Motorizea	whenever push a switch.		
Mode 5	Dilution	Volumes	Motorized	Pick up the selected volume of liquid A and liquid B with air gap,		
Wode 5	DILUTION Mode	Pickup & Dispense	Motorized	and then dispense total volume.		
Mode 6	Mixing	Mixing volume	Motorized	Repeat setting time, pick up and dispense.		
Wiode 0	MIXING Mode	Mixing time	Motorized			
Mode 7	Pipette controller		Motorized	Pick up the liquid while push a switch, then dispense when push		
	DIGITAL MANUAL Mode	-	MOLOTIZEG	a switch after switch-off once again		
Mode 8	Calibration mechanical operation	Compost values		Input corrected value of 100% point with electric balance.		
	MANUAL CALIBRATION Mode	Correct volume	-	(Only for mechanical operation)		
Mode 9	Calibration motorized operation	Correct volume	-	Input corrected value of 100% point with electric balance.		
	MOTOR DRIVE CALIBRATION Mode	Correct volume		(Only for motorized operation)		

Mode 1

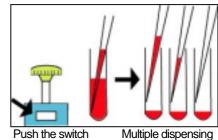


Push the push-button Pickup Dispense

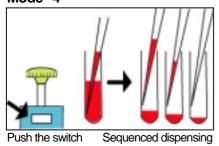
Mode 2



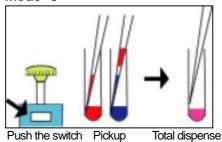
Mode 3



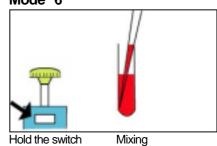
Mode 4



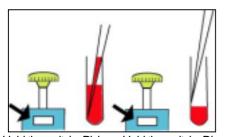
Mode 5



Mode 6



Mode 7



Hold the switch Pickup Hold the switch Dispense

Disposable tip (Autoclavable)

	•	` ,			
		Code	Volume(μ)	Color	Q'ty
•	00-NHB-200	BMT-SG	2~200	Yellow	1000
	00-NHD-200	BMT-SGR (racked)	2~200	Yellow	960
•	00 NUID 4000	BMT-L	100 ~ 1000	Blue	1000
	00-NHB-1000	BMT-LR (racked)	100 ~ 1000	Blue	1000

The specification and price subject to change without notice.

• NICHIRYO CO., LTD.

Kyodo Building, 4-10, Iwamoto-cho, 2-chome Chiyoda-ku, Tokyo 101-0032 JAPAN

Tel: +81-3-5820-2664 Fax: +81-3-5820-2410

Distribuito da:



www.enrico-bruno.it