

Compact model with touch panel

Fully Automated Dispensing Dilution System

8/12ch 96/384wells

installation
space
50%
reduced

NSP-7000IV

Compact design allows for easy installation.

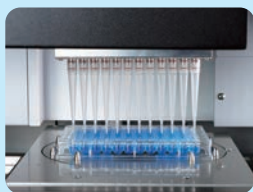
No PC connection required.

Compatible with deep well (1000uL).

Can be operated by bar code.

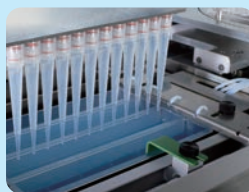


NSP-7000IV Fully Automated Dispensing Dilution System



Replaceable dispensing head

The 12ch head is compatible with 384 wells. Replaceable head with different volumes as an option.



Stirring function convenient for condensation methods

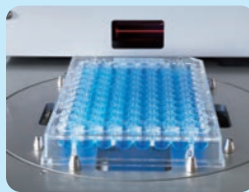
*option

The plate stirs within the reservoir avoiding precipitation. Operation settings can be configured in the touch panel.



Easily accessible reservoir

Drawer allows for easy access to reservoirs. Reservoirs can be replaced by plates.



Equipped with bar code reader

*option

Control of dispensing system can be automated by reading bar code attached on microplates.



Simple operation by touch panel

Operations by the touch panel can be done after registering programs in the machine by the initial setting. No PC connection needed.

Meet the various dispensing needs such as condensation methods and ELISA.

Product · Option

Cat. No	Product name
00-NSP-7000IV	NSP-7000IV Standard accessories ··· Dispensing head: 200μL nozzle unit, Eigen value data, Power cable, Transmission cable, User's manual

Cat. No	Option	Remarks
00-RAC-300	Rack for 300μL tips	5 racks (material: aluminium)
00-RAC-1000	Rack for 1000μL tips	5 racks (material: aluminium)

Option	Remarks	Option	Remarks
30μL nozzle Unit (12ch)	Range of accuracy guarantee : min.vol. 3~30μL	Automatic reagent supplier unit	Supply reagents to 4 reservoirs
300μL nozzle Unit (12ch)	Range of accuracy guarantee : min.vol. 10~300μL	B/C reader	Reading function of on plates ID
1000μL nozzle Unit (12ch)	Range of accuracy guarantee : min.vol. 100~1000μL	Stirring unit within reservoir	Stirring function of latex beads reagents etc.
Pilot light	Interlock with buzzer	Tip verification sensor	Verifying function of fixed 8ch or 12ch tips
Disposal slider for tips	Exclusive option with disposal box as standard accessories		

Specifications

Dimension	750(w)×400(D)×650(H)mm (without PC)		
Dimension to install	850(w)×700(D)mm		
Work deck dimension	180(w)×220(D)mm / Supply table of racked tips :85.5(w)×128(L)mm / Supply table of micro plates :85.5(w)×128(L)mm		
Nozzle Unit	Standard:200μL×12ch / Option: 30μL、300μL、1000μL×12ch		
Nozzle Unit	30μL	3~30μL	300μL
Volume range	200μL	10~220μL	1000μL
Usable plates	SBS standard 96 or 384 wells (please contact us for deep-well plates or cube plates)		
Stacker magazine's capacity	For microplate stacker : 20 micro plates or 5 deep-well plates / For rack stacker : 5 racks		
Liquid surface sensing	Pressure sensor		
Weight	Approx. 60kg		
Power source	AC100~240V 50/60Hz 400VA (Power consumption varies by system configurations.)		
PC spec	Windows® 7/8/8.1 (32/64bit) /10 (64bit) RS232C serial port CD-ROM		

*PC with above specification required to create protocol and adjust system.

Accuracy · Precision

Nozzle Unit	Volume(μL)	AC(%)	CV(%)	Nozzle Unit	Volume(μL)	AC(%)	CV(%)
30μL	3	±5.0	≤5.0	300μL	25	±3.0	≤2.0
	25	±1.5	≤2.0		300	±1.0	≤1.0
200μL	25	±3.0	≤2.0	1000μL	100	±2.0	≤2.0
	200	±1.0	≤1.0		1000	±1.0	≤0.5

Tip for robot systems

Cat. No	Name	Volume(μL)	Contents	Nozzle Unit
00-HT-F30R	Racked tip for robotic system	3~30μL	3840 (384×10racks)	30μL
00-HT-F30RB	Racked tip for robotic system(sterilized)			
00-HT-FS	Bulk tip for robotic system	10~220μL	1000 960 (96×10racks)	200μL
00-HT-FSR	Racked tip for robotic system			
00-HT-FSRB	Racked tip for robotic system(sterilized)			
00-HT-300	Bulk tip for robotic system	3~300μL	1000	300μL
00-HT-KL	Bulk tip for robotic system	100~1000μL	1000	1000μL

Product specifications are subject to change without notice.