

Tablet 4-in-1 Tester

SY-6DN



The Tablet 4-in-1 Tester (SY-6DN) integrates four major functions into one instrument - dissolution, disintegration, tablet hardness and tablet friability. In addition, it uses internationally advanced design concepts and manufacturing technologies to develop its products with superior advantages such as streamlined and aesthetic appearances, firm and robust structure, highly reliable performance, simple operating procedures, etc. At the same time, it also contains several remarkable features such as accurate rotating speed, stable operation, low power consumption, and so on. This product is widely used in pharmaceutical manufacturers, pharmaceutical research, teaching and pharmaceutical inspection departments. The technical benchmarks of each function fully comply with the Consistency Evaluation Criteria for Generic Drugs in the "Pharmacopoeia of the People's Republic of China 2015".

Features

- * The technical benchmarks of each function fully comply with the Consistency Evaluation Criteria for Generic Drugs in the "Pharmacopoeia of the People's Republic of China 2015".
- * The built-in user permission management and data management system ensure that the testing data are safely kept for a long time.
- * The highly precise integrated circuit design ensures the accuracy of all measurements.
- * More comprehensive, simpler and more human-centric operating interfaces and methods.
- * One instrument with four major functions: dissolution, disintegration, tablet hardness and tablet friability; highly efficient and convenient.
- * A much smaller size reduces the occupying surfaces on the working tables in the laboratory.
- * It can install 6 Paddle or Basket Shaft (optional for Teflon coating). Additionally, it also can be placed with 6 highly precise 1000ml vessel.
- * A highly accurate temperature control system and a more convenient water drainage system.
- * The high-definition transparent lens window above the hardness testing chamber enables clear and intuitive observation of each testing process.
- * More accurate rotating speed; stable operation; low power consumption and high reliability.
- * It contains a self-test and diagnostic function; the test data can be exported and printed via USB.
- * Optional for small cup method accessories (used in the third method of a dissolution test).



Specification

	Product Model	SY-6DN
Dissolution	Stirring paddle swinging range	≤ 0.5mm
	Rotating basket swinging range	≤ 1.0mm
	Deviation between the axis of dissolution rod and vessel	≤ 2.0mm
	Rotating speed setting range	10 – 300RPM
	Rotating direction	Clockwise/Anti-clockwise
	Steady speed error	≤± 1 %
	Temperature range	Room temperature ~ 45°C
	Temperature resolution	0.1°C
	Temperature control precision	≤± 0.3°C
	Sampling cycle points	Up to 100 different sampling cycles
	Sampling cycle time	999 hrs 59 mins 59s
	Number of paddle	6 each
	Number of basket	6 no
	Highly precise vessel specifications	Height – 185mm; Volume – 1,000ml
Number of highly precise vessel	6 no	
Disintegration	Suspending basket rising/lowering frequency	30 ~ 32 CPM
	Suspending basket rising/lowering vibration range	55mm ± 1mm
	Minimum distance between screening mesh and bottom of cup	25mm ± 1mm
	Aperture of screening mesh	2mm (optional)
	Temperature range	Room temperature ~ 45°C
	Temperature resolution	0.1°C
	Temperature control precision	≤± 0.3°C
	Sampling cycle points	Up to 100 different sampling cycles
	Sampling cycle time	999 hrs 59 mins 59s
	Volume of flat-bottomed flask	1,000ml
Number of flat-bottomed flask	1 no	
Tablet Hardness	Measurement range	Hardness: 10 – 350N; Tablet diameter: 2 – 25mm
	Resolution	0.01N
	Precision	± 1.5% ± 1 digit
	Diameter measurement range	2.0 – 25.0mm
	Diameter resolution	0.1mm
	Diameter measurement precision	± 0.1mm
	Hardness measurement unit	N/kg (optional)
	Measurement method	Automatic single iteration/continuous multiple iterations (up to 1000 times)
Tablet Friability	Drum dimensions	Internal diameter about 286mm, depth: 39mm
	Tablet gliding height	156mm
	Default rotating speed	25 RPM
	Rotating speed setting range	20 – 50RPM
	Number of laps	100 laps
	Lap setting range	1 – 1,000 laps
	Rotating direction	Clockwise/Anti-clockwise
	Number of drums	1 no
Others	Power supply	AC 220V ± 10%, 50Hz

