@Ver26
We reserve the right to change specifications without prior notice.

Facebook WhatsApp Twitter LinkedIn Instagram YouTube



Infitek

Infitek Inc.

Address: 522W Riverside Ave Ste N, Spokane, WA 99201, USA
Email: Info@infitek.com

Infitek Co., Ltd.

TEL: +86-531-88982330
FAX: +86-531-88983691
Website: infitek.com
Email: info@infitek.com
Service: service@infitek.com
Address: Room 201A, Building 9 (Block B), No. 2679,
Hechuan Road, Minhang District, Shanghai,P.C.201100

INFITEK CO., LTD.
PRODUCT BROCHURE

Clarity Testers

CLRT-1

Reliability

It tests clarify of injection and bottled medicine liquid.



Applicable standards

- National standard (Chinese codex) / 2015
- Health department standard
- Corporate standard (Clarify tester)

Features

- The three-primary-color fluorescent lamp is controlled by good lighting sensor, electronic inductor and shading.
- Flash eliminated. Illumination is adjustable.
- Time and alarm automatically. Test continuously.
- Used by one person.

Specification

Model	CLRT-1
Lamp three-primary-color	fluorescent lamp
Illumination range	(1000～6000)LUX
Time range	(1～99)s
Power	220V/ 50Hz/ 30W
Dimension	(703*175*513)mm

Clarity Testers

CLRT-2

Reliability

- It tests clarify of injection and bottled medicine liquid.



Features

- The three-primary-color fluorescent lamp is controlled by good lighting sensor, electronic inductor and shading.
- Flash eliminated. Illumination is adjustable.
- Time and alarm automatically. Test continuously.
- Used by one person.
- With double-sided detection function, equivalent to two CLRT-1 products in operation

Specification

Model	CLRT-2
Lamp three-primary-color	fluorescent lamp
Illumination range	(1000～6000)LUX
Time range	(1～99)s
Power	220V/ 50Hz/ 30W
Dimension	(703*325*513)mm

Transparency Tester

TRNT-2



Features

- Eliminate the effect of environment on the test result thoroughly.
- Normal glass testing tube, convenient for taking and storing specimen.
- Closed light source system, little environmental impact.

Specification

Model	TRNT-2
Transparency testing range	(20~500)mm
Transparency testing precision	±5mm
Volume of glass tube	400ml
Power supply	220V/50HZ/100W
External dimensions	(60×20×23)cm²
Weight	11KG



Disintegration Time Limit Tester

DITT-1



- Disintegration time limit tester is a drug test instrument to test the disintegration time limit of tablets, capsules and pills in accordance with Chinese Pharmacopoeia.

Features

- 1 set of basket.
- The instrument controls the bath temperature at 37.0℃ automatically (prescribed by Pharmacopeia). High-precision digital electronic sensor is adopted to ensure the high precision and high accuracy of water bath temperature without the need for calibration.
- The instrument sets the lifting time of baskets to be 15min automatically, which can also be reset at any time.
- It adopts the computer control technology which is centered on SCM to control two performance parameters including bath temperature and working time intelligently.
- The instrument can monitor bath temperature, give over-temperature alarm and protect itself automatically.

Specification

Model	DITT-1
Temperature prefabrication range	Room temperature ～ 50℃
Display resolution	0.1℃
Temperature control accuracy	±0.3℃
Timing prefabrication range	1min ～ 900min
Time control accuracy	±0.5min
Work noise	＜60db
Number of lifting baskets	1 set
Lifting frequency of basket	(30～32) times/min
Lifting distance of basket	(55±1) mm
Minimum spacing from screen to beaker bottom	25mm±2mm
Mesh size	standard configuration 2mm, (optional for 0.425mm and 1mm bore diameters)
Power supply	220V50Hz
Total power	600W
Overall dimensions (L*W*H)	260mm*300mm*440mm

Disintegration Time Limit Tester

DITT-2



- Disintegration time limit tester is a drug test instrument to test the disintegration time limit of tablets, capsules and pills in accordance with Chinese Pharmacopoeia.

Features

- Double-basket working position system measures disintegration time limit.
- 2 sets of baskets, which can conduct independent disintegration experiment respectively.
- Electronic temperature sensor can display and monitor various points in water bath case and the temperature in the beaker. High-precision digital electronic sensor is adopted to ensure the high precision and high accuracy of water bath temperature without the need for calibration.
- The instrument controls the bath temperature at 37.0℃ automatically (prescribed by Pharmacopeia). It can also reset the preset temperature again at any time.
- The instrument sets the lifting time of baskets to be 15min automatically, which can also be reset at any time.
- It adopts the computer control technology which is centered on SCM to control two performance parameters including bath temperature and working time intelligently.
- The instrument can monitor bath temperature, give over-temperature alarm and protect itself automatically.

Specification

Model	DITT-2
Temperature prefabrication range	Room temperature:～50℃
	Display resolution 0.1℃
Temperature control accuracy	±0.3℃
Timing prefabrication range	1min～900min
Time control accuracy	±0.5min
Work noise	＜60db
Number of lifting baskets	2 sets
Lifting frequency of basket	(30～32) times/min
Lifting distance of basket	(55±1) mm
Minimum spacing from screen to beaker bottom	25mm±2mm
Mesh size	Standard configuration 2mm, (optional for 0.425mm and 1mm bore diameters)
Power supply	220V50Hz
Total power	600W
Overall dimensions (L*W*H)	400mm*320mm*440mm

Disintegration Time Limit Tester

DITT-3



- Disintegration time limit tester is a drug test instrument to test the disintegration time limit of tablets, capsules and pills in accordance with Chinese Pharmacopoeia.

Features

- Three-basket working position system measures disintegration time limit.
- 3 sets of baskets, which can realize 3-way independent operation to be controlled independently.
- Electronic temperature sensor can display and monitor various points in water bath case and the temperature in the beaker. High-precision digital electronic sensor is adopted to ensure the high precision and high accuracy of water bath temperature without the need for calibration.
- The instrument controls the bath temperature at 37.0℃ automatically (prescribed by Pharmacopeia). It can also reset the preset temperature again at any time.
- The instrument sets the lifting time of baskets to be 15min automatically, which can also be reset at any time.
- It adopts the computer control technology which is centered on SCM to control two performance parameters including bath temperature and working time intelligently.
- The instrument can monitor bath temperature, give over-temperature alarm and protect itself automatically.

Specification

Model	DITT-3
Temperature prefabrication range	Room temperature: ～50℃
	Display resolution: 0.1℃
Temperature control accuracy	±0.3℃
Timing prefabrication range	1min～999min
Time control accuracy	±0.5min
Work noise	＜60db
Number of lifting baskets	3 sets
Lifting frequency of basket	(30～32) times/min
Lifting distance of basket	(55±1) mm
Minimum spacing from screen to beaker bottom	25mm±2mm
Mesh size	standard configuration 2mm, (optional for 0.425mm and 1mm bore diameters)
Power supply	220V50Hz
Total power	600W
Overall dimensions (L*W*H)	540mm*320mm*440mm

Disintegration Time Limit Tester

DITT-4



- Disintegration time limit tester is a drug test instrument to test the disintegration time limit of tablets, capsules and pills in accordance with Chinese Pharmacopoeia.

Features

- Four-basket working position system measures disintegration time limit.
- 4 sets of hanging baskets, two sets of equipment conduct disintegration experiments independently (that is, there are 4 baskets and two controllers, and one controller controls 2 baskets)
- Electronic temperature sensor can display and monitor various points in water bath case and the temperature in the beaker. High-precision digital electronic sensor is adopted to ensure the high precision and high accuracy of water bath temperature without the need for calibration.
- The instrument controls the bath temperature at 37.0℃ automatically (prescribed by Pharmacopeia). It can also reset the preset temperature again at any time.
- The instrument sets the lifting time of baskets to be 15min automatically, which can also be reset at any time.
- It adopts the computer control technology which is centered on SCM to control two performance parameters including bath temperature and working time intelligently.
- The instrument can monitor bath temperature, give over-temperature alarm and protect itself automatically.

Specification

Model	DITT-4
Temperature prefabrication range	Room temperature～50℃
	Display resolution:0.1℃
Temperature control accuracy	±0.3℃
Timing prefabrication range	1min～900min
Time control accuracy	±0.5min
Work noise	＜60db
Number of lifting baskets	4 sets
Lifting frequency of basket	(30～32) times/min.
Lifting distance of basket	(55±1) mm
Minimum spacing from screen to beaker bottom	25mm±2mm
Mesh size	standard configuration 2mm, (optional for 0.425mm and 1mm bore diameters)
Power supply	220V50Hz
Total power	600W

Disintegration Time Limit Tester

DITT-K1



- The inspection method of orally disintegrating tablet has been added to in the 2020 edition of the Chinese Pharmacopoeia.



Features

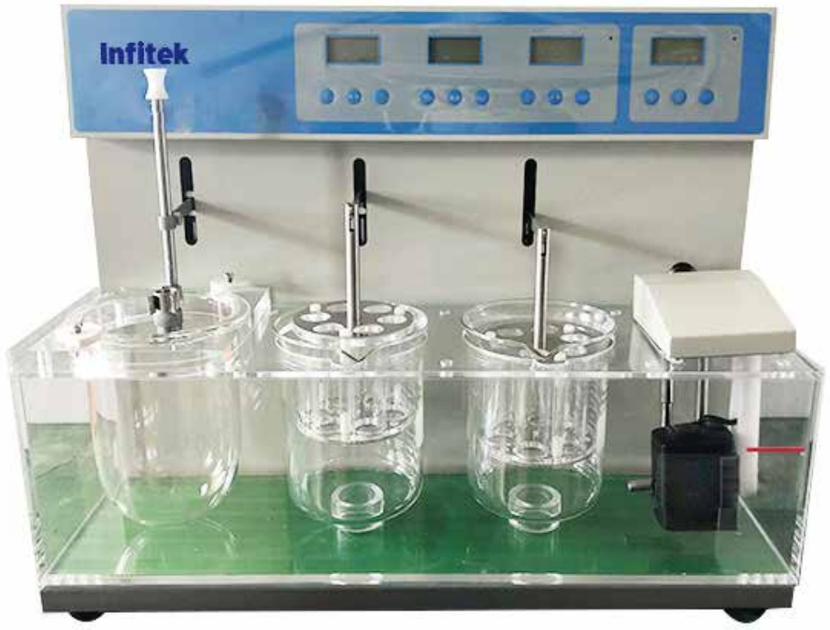
- Adopt the single cup and single basket structure, each instrument is equipped with a disintegration basket, which is convenient for observation and judgment.
- Adopt a special cup instead of a flat-bottomed beaker, which is convenient to fix the position.
- The disintegration basket meets the requirements of the Pharmacopoeia.

Specification

Model	DITT-K1
Disintegration basket material	stainless steel tube.
Tube length	30mm, inner
Diameter	13mm
Inner diameter of the sieve	710μm
Disintegration basket round-trip frequency	30-32 times/min
Disintegration basket moving distance up and down	10mm±1mm
Water bath temperature control range	R.T. ~ 45℃
Temperature control accuracy	≤±0.3℃.

Multifunctional Disintegration Time Limiter

DITT-M3



- The disintegration time limiter detects the disintegration time limit of tablets, capsules, pills and oral disintegration reagents according to the 2020 edition of the Chinese Pharmacopoeia.

Features

- The 2+1 design method is adopted, and it can meet the disintegration requirements of the orally disintegrating reagents in the 2020 edition of the Pharmacopoeia, extensive use.
- 3 sets of hanging baskets, and the 3 routes operate independently, which can be controlled separately.
- The electronic temperature sensor can display and monitor the temperature at various points in the water bath and in the beaker. The use of high-precision digital electronic sensors ensures the high precision and accuracy of the water bath temperature without calibration.
- The temperature of the water bath is automatically controlled by the instrument to be 37.0℃ (prescribed in the Pharmacopoeia). The preset temperature can be reset at any time in both directions.
- The instrument automatically sets the lifting and lowering time of the hanging basket to 15 minutes, and the time can also be reset arbitrarily in both directions.
- Adopt the computer control technology with single-chip microcomputer as the core, and intelligently control the two performance parameters of water bath temperature and working time.
- Temperature and time display adopts the latest LCD module. Water bath temperature overheating alarm and automatic protection function.

Specification

Model	DITT-M3
Temperature prefabrication range	R.T.～50℃
Display resolution	0.1℃.
Temperature control accuracy	±0.3℃
Timing prefabrication range	1min～999min
Time control accuracy	±0.5min
Working noise	<60db
Lifting baskets number	2 sets of ordinary disintegration baskets, 1 set of oral disintegration special baskets
Lifting frequency of the hanging basket	30～32times/min
Lifting distance of hanging basket	55±1mm, 10±1mm
Screen aperture	standard 2mm, (0.425mm, 1mm apertures optional) for ordinary hanging baskets, standard 710μm for oral disintegration hanging baskets.
Electricity source	220V50Hz
Power of the whole machine	600W
Dimensions(L×W×H)	540mm*320mm*440mm

Thawing Time Limit Tester

SMTP-1



- SMTP-1 thawing time limit tester is used to inspect the condition of thawing, softening or dissolution of solid preparations such as suppositories or vaginal tablets under the prescribed conditions. It's a mechatronic product which is designed and produced in accordance with the requirements of Chinese Pharmacopoeia (Edition 2015) on "suppository thawing time limit inspection methods".



Features

- Three-beaker, three-path, three-path synchronization, manual overturn.
- Transparent sleeve, stainless steel net racks
- Imported stainless steel is adopted for net racks.
- Automatic temperature control, high temperature control precision
- Magnetic water pump circulating water flow uniform heat system is adopted, and bath temperature is uniform.
- Automatic temperature control and automatic time keeping.

Specification

Model	SMTP-1
Number of sleeve racks	3 sets
Size of transparent sleeve	height:60mm inner diameter: 52mm
Stainless steel net rack	2 sheets, diameter of 50mm, with 39 holes of 4mm.
Timing range	(10~900)min
Timing precision	±0.5min
Temperature control range	(20~45) ℃
Temperature control precision	±0.5 ℃
Volume of beaker	5L (3PCS)
Power supply	220V / 50Hz / 1000W

Dissolution Testers

DIST-1E



- DIST series of instruments are used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents.

Features

- It has one vessels and one poles arranged on one line.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.

Specification

Model	DIST-1E
Speed range	(20~200)rpm
Speed accuracy	±2rpm
Temperature range ambient	+45.0 C
Temperature Stability	±0.3 C
Preset timing nine points	(5~900)min
Time accuracy	±0.5min
Paddle radial run-out	±0.5mm
Basket radial run-out	±1.0mm
Power	220V/50Hz/600W or 110V/60Hz/600W
Dimension	(260*300*480)mm³

Dissolution Testers

DIST-3E



- DIST series of instruments are used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents.

Features

- It has three vessels and three poles arranged on one line.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid canachieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.

Specification

Model	DIST-3E
Speed range	(20~200)rpm
Speed accuracy	±2rpm
Temperature range ambient	+45.0 C
Temperature Stability	±0.3 C
Preset timing nine points	(5~900)min
Time accuracy	±0.5min
Paddle radial run-out	±0.5mm
Basket radial run-out	±1.0mm
Power	220V/50Hz/600W or 110V/60Hz/600W
Dimension	(510*300*480)mm³

Dissolution Testers

DIST-3P



Features

- DIST-3P is a double-functional model with electric lifting head and head overturn; it only needs to manipulate the keyboard when paddle rod or basket rod is replaced, the head can be lifted automatically; the head can be overturned continuously based on the lifted head to make the work of paddle change more convenient and handy.
- Available for installation of 3 basket rods or paddle rods.
- Available for installation of 3 new dissolution cups with the height of 185mm and shading dissolution cups as well.
- Friendly human-computer interface, with simple and convenient operation.
- All the working parameters can be preset and saved automatically, without the need to set repeatedly when the instrument is started next time
- Accurate rotating speed, steady operation and low energy consumption.
- Thermostatic water bath adopts built-in integrated temperature sensor and new software and hardware temperature measurement and control mode, which is featured by fast temperature rise and high precision; temperature deviation can be corrected with software conveniently.
- Independent operation of startup, pause and reset for experimental timing.
- Automatic protection functions such as self-inspection fault alarm and over-temperature protection, etc.
- The paddle rod, basket rod and basket turning body are all made of stainless steel material meet the requirements of Chinese Pharmacopoeia in quality and performance.

Range of application

- It's used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents. DIST-3P dissolution tester is a kind of new type drug dissolution tester which is developed and produced by our company; it adopts classical modeling design and is featured by high cost performance, stability, reliability, simple operation and durability.

Specification

Model	DIST-3P
Amplitude of swing of stirring paddle	≤0.3mm
Amplitude of swing of rotation basket	≤0.8mm
Deviation of rotating rod and axle of dissolution cup	≤1mm
Speed adjustable range	20-200 rpm
Rotating speed resolution	1 time/min
Water bath temperature adjustment range	room temperature: -45°C
Temperature resolution	0.1°C
Temperature control accuracy	≤±0.3°C
Number of sampling periods	9 different sampling periods can be preset.
Time of sampling period	1-999min optional for each period， 9 sampling periods can be counted down by sections.
Timing error	±0.5min
Pharmacopoeia parameter calling	The instrument saves 300 dissolution test parameters in Chinese Pharmacopoeia, which can be called randomly.
Standard configuration	3 paddles and 3 cups
Electrical heating power	500W
Package Dimension (W*D*H)(mm)	730*480*620
Large screen liquid crystal display and intelligent menu operation.	
The head can lift and descend automatically and attaches overturn function (a model whose control is very convenient).	
Electronic sensor can monitor the temperatures of various point of water bath case.	

Dissolution Testers

DIST-6

- DIST series of instruments are used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents.



Features

- It has six cups and six paddles, arranged on one line.
- The machine head is electrically lifted and lowered, ensuring smooth and flexible operation.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- The dissolution parameters of'Chinese codex 2000'are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.

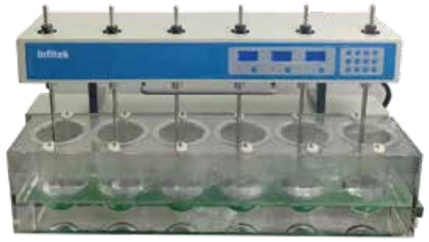
Specification

Model	DIST-6
Speed range	(20~200)rpm
Speed accuracy	±1rpm
Temperature range ambient	+45.0 ℃
Temperature Stability	±0.3 ℃
Preset timing nine points	(1~999)min
Time accuracy	±0.5min
Paddle radial run-out	±0.5mm
Basket radial run-out	±1.0mm
Power	220V/50Hz/1200W or 110V/60Hz/1200W
Dimension	(960*320*480)mm³
Package size	(W*D*H) 1230*540*630mm 82kg

Dissolution Testers

DIST-6E

- DIST series of instruments are used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents.



Features

- It has six cups and six paddles, arranged on one line.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.

Specification

Model	DIST-6E
Speed range	(20~200)rpm
Speed accuracy	±1rpm
Temperature range ambient	+45.0 ℃
Temperature Stability	±0.3 ℃
Preset timing nine points	(1~999)min
Time accuracy	±0.5min
Paddle radial run-out	±0.5mm
Basket radial run-out	±1.0mm
Power	220V/50Hz/1200W or 110V/60Hz/1200W
Dimension	(960*440*480)mm³
Package Dimension (W*D*H) (mm)	1230*460*570
G.W.(kg)	46

Dissolution Testers

DIST-6P



Features

- DIST-6P is a double-functional model with electric lifting head and head overturn; it only needs to manipulate the keyboard when paddle rod or basket rod is replaced, the head can be lifted automatically; the head can be overturned continuously based on the lifted head to make the work of paddle change more convenient and handy.
- Available for installation of 6 basket rods or paddle rods.
- Available for installation of 6 new dissolution cups with the height of 185mm and shading dissolution cups as well.
- Friendly human-computer interface, with simple and convenient operation.
- All the working parameters can be preset and saved automatically, without the need to set repeatedly when the instrument is started next time
- Accurate rotating speed, steady operation and low energy consumption.
- Thermostatic water bath adopts built-in integrated temperature sensor and new software and hardware temperature measurement and control mode, which is featured by fast temperature rise and high precision; temperature deviation can be corrected with software conveniently.
- Independent operation of startup, pause and reset for experimental timing.
- Automatic protection functions such as self-inspection fault alarm and over-temperature protection, etc.
- The paddle rod, basket rod and basket turning body are all made of stainless steel material meet the requirements of Chinese Pharmacopoeia in quality and performance.

Range of application

- It's used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents. DIST-6P dissolution tester is a kind of new type drug dissolution tester which is developed and produced by our company; it adopts classical modeling design and is featured by high cost performance, stability, reliability, simple operation and durability.

Specification

Model	DIST-6P
Amplitude of swing of stirring paddle	≤0.3mm
Amplitude of swing of rotation basket	≤0.8mm
Deviation of rotating rod and axle of dissolution cup	≤1mm
Speed adjustable range	20-200 rpm
Rotating speed resolution	1 time/min
Water bath temperature adjustment range	room temperature: -45°C
Temperature resolution	0.1°C
Temperature control accuracy	≤±0.3°C
Number of sampling periods	9 different sampling periods can be preset.
Time of sampling period	1-999min optional for each period, 9 sampling periods can be counted down by sections.
Timing error	±0.5min
Pharmacopoeia parameter calling	The instrument saves 300 dissolution test parameters in Chinese Pharmacopoeia, which can be called randomly.
Standard configuration	6 paddles and 6 cups
Electrical heating power	1100W
Package size	(W*D*H) 1180*570*660mm 76kg
Large screen liquid crystal display and intelligent menu operation.	
The head can lift and descend automatically and attaches overturn function (a model whose control is very convenient).	
Electronic sensor can monitor the temperatures of various point of water bath case.	

Dissolution Testers

DIST-8

- DIST series of instruments are used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents.



Features

- It has eight vessels and six poles, with six vessels and six poles in front and other two vessels at back.
- The machine head is electrically lifted and lowered, ensuring smooth and flexible operation.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- The dissolution parameters of'Chinese codex 2000'are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.

Specification

Model	DIST-8
Speed range	(20~200)rpm
Speed accuracy	±1rpm
Temperature range ambient	+45.0 C
Temperature Stability	±0.3 C
Preset timing nine points	(1~999)min
Time accuracy	±0.5min
Paddle radial run-out	±0.5mm
Basket radial run-out	±1.0mm
Power	220V/50Hz/1200W or 110V/60Hz/1200W
Dimension	(960*320*480)mm³

Dissolution Testers

DIST-8E

- DIST series of instruments are used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents.



Features

- It has eight vessels and six poles, with six vessels and six poles in front and other two vessels at back.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- The dissolution parameters of' Chinese codex 2010' are stored in and can be taken out at anytime.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.

Specification

Model	DIST-8E
Speed range	(20~200)rpm
Speed accuracy	±1rpm
Temperature range ambient	+45.0 C
Temperature Stability	±0.3 C
Preset timing nine points	(1~999)min
Time accuracy	±0.5min
Paddle radial run-out	±0.5mm
Basket radial run-out	±1.0mm
Power	220V/50Hz/1200W or 110V/60Hz/1200W
Dimension	(960*440*480)mm³

Dissolution Testers

DIST-8P



Features

- DIST-8P is a double-functional model with electric lifting head and head overturn; it only needs to manipulate the keyboard when paddle rod or basket rod is replaced,
the head can be lifted automatically; the head can be overturned continuously based on the lifted head to make the work of paddle change more convenient and handy.
- Available for installation of 8 basket rods or paddle rods.
- Available for installation of 8 new dissolution cups with the height of 185mm and shading dissolution cups as well.
- Friendly human-computer interface, with simple and convenient operation.
- All the working parameters can be preset and saved automatically,
without the need to set repeatedly when the instrument is started next time
- Accurate rotating speed, steady operation and low energy consumption.
- Thermostatic water bath adopts built-in integrated temperature sensor and new software and hardware temperature measurement and control mode, which is featured by fast temperature rise and high precision; temperature deviation can be corrected with software conveniently.
- Independent operation of startup, pause and reset for experimental timing.
- Automatic protection functions such as self-inspection fault alarm
and over-temperature protection, etc.
- The paddle rod, basket rod and basket turning body are all made of stainless steel material meet the requirements of Chinese Pharmacopoeia in quality and performance.

Range of application

- It's used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents. DIST-8P dissolution tester is a kind of new type drug dissolution tester which is developed and produced by our company; it adopts classical modeling design and is featured by high cost performance, stability, reliability, simple operation and durability.

Specification

Model	DIST-8P
Amplitude of swing of stirring paddle	≤0.3mm
Amplitude of swing of rotation basket	≤0.8mm
Deviation of rotating rod and axle of dissolution cup	≤1mm
Speed adjustable range	20-200 rpm
Rotating speed resolution	1 time/min
Water bath temperature adjustment range	room temperature -45°C
Temperature resolution	0.1°C
Temperature control accuracy	≤±0.3°C
Number of sampling periods	9 different sampling periods can be preset.
Time of sampling period	1-999min optional for each period, 9 sampling periods can be counted down by sections.
Timing error	±0.5min
Pharmacopoeia parameter calling	The instrument saves 300 dissolution test parameters in Chinese Pharmacopoeia, which can be called randomly.
Standard configuration	8 paddles and 8 cups
Electrical heating power	1100W
Large screen liquid crystal display and intelligent menu operation.	
The head can lift and descend automatically and attaches overturn function (a model whose control is very convenient).	
Electronic sensor can monitor the temperatures of various point of water bath case.	
Small cup accessories can be optional.	

Dissolution Testers

DIST-8S

- DIST series of instruments are used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents.



Features

- It has eight vessels and eight poles, with four vessels and four poles in front and other at back.
- The head moves up/down automatically.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.

Specification

Model	DIST-8S
Speed range	(20~200)rpm
Speed accuracy	±1rpm
Temperature range	ambient to +45.0℃
Temperature Stability	±0.3℃
Preset timing nine points	(1~999)min
Time accuracy	±0.5min
Paddle radial run-out	±0.5mm
Basket radial run-out	±1.0mm
Power	220V/50Hz/1200W or 110V/60Hz/1200W
Dimension	680mm*540mm*480mm
Package Dimension (W*D*H)(mm)	940*670*640
G.W.(kg)	72

Thawing Time Limit Tester

SMTP-4B

SMTP-4B thawing time limit tester is used to inspect the condition of thawing, softening or dissolution of solid preparations such as suppositories or vaginal tablets under the prescribed conditions. It's a mechatronic product which is designed and produced in accordance with the requirements of Chinese Pharmacopoeia (Edition 2015) on "suppository thawing time limit inspection methods".



Features

- Three-beaker, three-path, three-path synchronization, automatic overturn.
- Double-functional head which can lift and descend electrically and turn over manually
- Transparent sleeve, stainless steel net racks
- Imported stainless steel is adopted for net racks.
- Automatic temperature control, high temperature control precision
- Magnetic water pump circulating water flow uniform heat system is adopted, and bath temperature is uniform.
- Three parameters including running time, overturn frequency and bath temperature can be preset arbitrarily; preset value and real-time value are displayed by time division. The system provides three kinds of shortcut modes for customer choice:
  P1: run for 30min, the metal racks turn over once automatically every 10 minutes
  P2: run for 60min, the metal racks turn over once automatically every 10 minutes
  P3: run for 30min, the metal racks don't turn over.
- Automatic temperature control, automatic time keeping, timing overturn indication forecast and fault alarm.

Specification

Model	SMTP-4B
Number of sleeve racks	3 sets
Size of transparent sleeve	height:60mm inner diameter: 52mm
stainless steel net rack	2 sheets, diameter of 50mm, with 39 holes of 4mm.
Timing range	(10~900)min
Timing precision	±0.5min
Temperature control range	(20~45)℃
Temperature control precision	±0.5℃
Volume of beaker	5L(3PCS)
Power supply	220V/50Hz/1000W

Dissolution Testers

DIST-12



- Large screen liquid crystal display and intelligent menu operation.
- Electronic sensor can monitor the temperatures of various point of water bath case.

Features

- The head moves up/down automatically..
- Available for installation of 12 basket rods or paddle rods.
- Available for installation of 12 new dissolution cups with the height of 185mm and shading dissolution cups as well.
- Friendly human-computer interface, with simple and convenient operation.
- All the working parameters can be preset and saved automatically, without the need to set repeatedly when the instrument is started next time
- Accurate rotating speed, steady operation and low energy consumption.
- Thermostatic water bath adopts built-in integrated temperature sensor and new software and hardware temperature measurement and control mode, which is featured by fast temperature rise and high precision; temperature deviation can be corrected with software conveniently.
- Independent operation of startup, pause and reset for experimental timing.
- Automatic protection functions such as self-inspection fault alarm and over-temperature protection, etc.
- The paddle rod, basket rod and basket turning body are all made of stainless steel material meet the requirements of Chinese Pharmacopoeia in quality and performance.

Specification

Model	DIST-12
Amplitude of swing of stirring paddle	≤0.3mm
Amplitude of swing of rotation basket	≤0.8mm
Deviation of rotating rod and axle of dissolution cup	≤1mm
Speed adjustable range	20-200 rpm
Rotating speed resolution	1 time/min
Water bath temperature adjustment range	Room temperature-45°C
Temperature resolution	0.1°C
Temperature control accuracy	≤±0.3°C
Number of sampling periods	9 different sampling periods can be preset.
Time of sampling period	1-999min optional for each period, 9 sampling periods can be counted down by sections.
Timing error	±0.5min
Pharmacopoeia parameter calling	The instrument saves 300 dissolution test parameters in Chinese Pharmacopoeia, which can be called randomly.
Standard configuration	12 paddles and 12cups
Electrical heating power	1100W

Dissolution Testers

DIST-606



Features

- Automatic height-positioning clutch (interchangeable for various methods).
- Omnidirectional adjustable vessel holder.
- Omnidirectional adjustable shaft system, electric lifting of the machine head.
- Low noise, long service life, and multiple protections for the temperature switch.
- Class 1/3B high-precision Pt1000 temperature sensor, featuring fast response and high accuracy.
- Supports both manual synchronous and sequential dosing modes; stirring can be paused or maintained during sequential dosing.
- The water bath is equipped with a drainage device to facilitate water replacement and cleaning.
- Permission management system, audit tracking function.
- 7-inch large LCD touchscreen for intuitive and user-friendly operation.
- The specifications of the stirring paddles and baskets comply with the requirements of the pharmacopoeia.
- Optional configurations: online printing, fingerprint recognition, LAN, WiFi, Bluetooth, RS232, RS485, etc.

Description

The Dissolution Tester is a newly designed, high-performance 6-vessel and 6-shaft dissolution testing apparatus. It has high intelligence, advanced structure, precise control and good reliability.







Specification

Model	DIST-606
Configuration	6 vessels and 6 shafts
Applicable Methods	Chinese Pharmacopoeia (ChP) Method 1 (Basket method), Method 2 (Paddle method), Method 3 (Small vessel method) (Optional), Method 4 (Paddle over disk method)(Optional), and Method 5 (Rotating cylinder method)(Optional).
Paddle Wobble	≤ 0.5mm
Stirring Speed	25 rpm-250 rpm
Stirring Direction	Clockwise / Counterclockwise
Stirring Speed Resolution	0.01 rpm
Speed Accuracy Error	≤ 0.5%
Basket Wobble	≤ 0.5 mm
Shaft-to-Vessel Centering Deviation	≤1mm
Water Bath Temperature	Room temperature to 45.00°C
Temperature Resolution	0.01°C
Water Bath Temperature Control Accuracy	0.2°C
Dissolution Medium Temperature Control Accuracy	0.2°C
Dosing Mode	Synchronous dosing, sequential dosing
Lifting System	Telescopic single-column lift
Permission Management	3 levels, 7 users
Audit Trail	128 entries × 366 days
Operating Noise	＜60 dB
Environmental Conditions	Ambient temperature 5–37°C, relative humidity ≤ 80%
Safety Performance	Complies with national industry standards, featuring self-test and automatic protection functions
Power Supply	220 V, 50 Hz

Dissolution Testers

DIST-808



Features

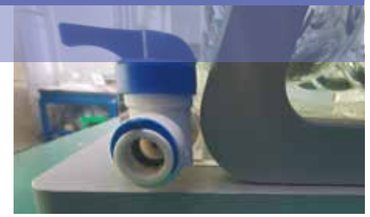
- Automatic height-positioning clutch (interchangeable for various methods).
- Omnidirectional adjustable vessel holder.
- Omnidirectional adjustable shaft system, electric lifting of the machine head.
- Low noise, long service life, and multiple protections for the temperature switch.
- Class 1/3B high-precision Pt1000 temperature sensor, featuring fast response and high accuracy.
- Equipped with electric, independent multi-channel automatic dosing system; supports synchronous dosing and sequential dosing modes. Stirring can be paused or maintained during sequential dosing.
- Stirring speed monitoring, enabling real-time monitoring of the stirring speed.
- Drop-flap multi-dosage delivery method, which prevents the loss of small tablets during delivery and meets the requirements for granule delivery.
- White and red light illumination with a 3-level PWM dimming system, providing color-accurate illumination with no color cast to meet the requirements of light-sensitive samples.
- Supports both manual synchronous and sequential dosing modes; stirring can be paused or maintained during sequential dosing.
- The water bath is equipped with a drainage device to facilitate water replacement and cleaning.
- Permission management system, audit tracking function.
- 7-inch large LCD touchscreen for intuitive and user-friendly operation.
- The specifications of the stirring paddles and baskets comply with the requirements of the pharmacopoeia.
- Standard online printing.
- Optional full-data high-precision dissolution vessels: Optimized internal dimensions and spherical radius structures ensure test accuracy and reproducibility.

Description

The Dissolution Tester is a newly designed, high-performance 8-vessel and 8-shaft dissolution testing apparatus. It has high intelligence, advanced structure, precise control and good reliability.







Specification

Model	DIST-808
Configuration	8 vessels and 8 shafts
Applicable Methods	Chinese Pharmacopoeia (ChP) Method 1 (Basket method), Method 2 (Paddle method), Method 3 (Small vessel method) (Optional), Method 4 (Paddle over disk method)(Optional), and Method 5 (Rotating cylinder method)(Optional).
Paddle Wobble	≤ 0.5mm
Stirring Speed	25 rpm-250 rpm
Stirring Direction	Clockwise / Counterclockwise
Stirring Speed Resolution	0.01 rpm
Speed Accuracy Error	≤ 0.5%
Basket Wobble	≤ 0.5 mm
Shaft-to-Vessel Centering Deviation	≤1 mm
Water Bath Temperature	Room temperature to 45.00°C
Temperature Resolution	0.01°C
Water Bath Temperature Control Accuracy	0.2°C
Dissolution Medium Temperature Control Accuracy	0.2°C
Dosing Mode	Synchronous dosing, sequential dosing
Lifting System	Telescopic single-column lift
Permission Management	3 levels, 7 users
Audit Trail	128 entries × 366 days
Operating Noise	＜60 dB
Environmental Conditions	Ambient temperature 5–37°C, relative humidity ≤ 80%
Safety Performance	Complies with national industry standards, featuring self-test and automatic protection functions
Power Supply	220 V, 50 Hz

Dissolution Testers

DIST-1208



Description

The Dissolution Tester is a newly designed, high-performance 12-vessel and 12-shaft dissolution testing apparatus. It has high intelligence, advanced structure, precise control and good reliability.

Features

- Automatic height-positioning clutch (interchangeable for various methods).
- Omnidirectional adjustable vessel holder.
- Omnidirectional adjustable shaft system, electric lifting of the machine head.
- Low noise, long service life, and multiple protections for the temperature switch.
- Class 1/3B high-precision Pt1000 temperature sensor, featuring fast response and high accuracy.
- Equipped with electric, independent multi-channel automatic dosing system; supports synchronous dosing and sequential dosing modes. Stirring can be paused or maintained during sequential dosing.
- Stirring speed monitoring, enabling real-time monitoring of the stirring speed.
- Drop-flap multi-dosage delivery method, which prevents the loss of small tablets during delivery and meets the requirements for granule delivery.
- White and red light illumination with a 3-level PWM dimming system, providing color-accurate illumination with no color cast to meet the requirements of light-sensitive samples.
- Supports both manual synchronous and sequential dosing modes; stirring can be paused or maintained during sequential dosing.

Features

- The water bath is equipped with a drainage device to facilitate water replacement and cleaning.
- Permission management system, audit tracking function.
- 7-inch large LCD touchscreen for intuitive and user-friendly operation.
- The specifications of the stirring paddles and baskets comply with the requirements of the pharmacopoeia.
- Standard online printing.
- Optional full-data high-precision dissolution vessels: Optimized internal dimensions and spherical radius structures ensure test accuracy and reproducibility.

Specification

Model	DIST-1208
Configuration	12 vessels and 12 shafts
Applicable Methods	Chinese Pharmacopoeia (ChP) Method 1 (Basket method), Method 2 (Paddle method), Method 3 (Small vessel method), Method 4 (Paddle over disk method), and Method 5 (Rotating cylinder method).
Paddle Wobble	≤ 0.5 mm
Stirring Speed	25 rpm-250 rpm
Stirring Direction	Clockwise / Counterclockwise
Stirring Speed Resolution	0.01 rpm
Speed Accuracy Error	≤ 0.5%
Basket Wobble	≤ 0.5 mm
Shaft-to-Vessel Centering Deviation	≤ 1 mm
Water Bath Temperature	Room temperature to 45.00°C
Temperature Resolution	0.01°C
Water Bath Temperature Control Accuracy	0.2°C
Dissolution Medium Temperature Control Accuracy	0.2°C
Dosing Mode	Synchronous dosing, sequential dosing
Lifting System	Telescopic single-column lift
Permission Management	3 levels, 7 users
Audit Trail	128 entries × 366 days
Operating Noise	＜60 dB
Environmental Conditions	Ambient temperature 5–37°C, relative humidity ≤ 80%
Safety Performance	Complies with national industry standards, featuring self-test and automatic protection functions
Power Supply	220 V, 50 Hz

Medicine Stability Testing Chamber

ICB-MS150-HL ICB-MS250-HL ICB-MS400-HL
ICB-MS500-HL ICB-MS1000-HL



ICB-MS150-HL
ICB-MS400-HL



ICB-MS250-HL
ICB-MS500-HL

ICB-MS1000-HL

Software Configuration

Model	ICB-MS150-HL	ICB-MS250-HL	ICB-MS400-HL	ICB-MS500-HL	ICB-MS1000-HL
Data Storage	Built-in storage hard drive, USB export				
	More than 5 years				
Data Printing	Dot matrix micro-printer				
	Long-term storage				
Data Network Version	Server version				
	Complies with FDA 21 CFR Part 11				

Features

Performance: Exceptional uniformity enables the chamber to meet the requirements of ICH stability test under full load even after years of use.

Intelligence: In addition to more stable control, enhanced maintenance reminders have been added.

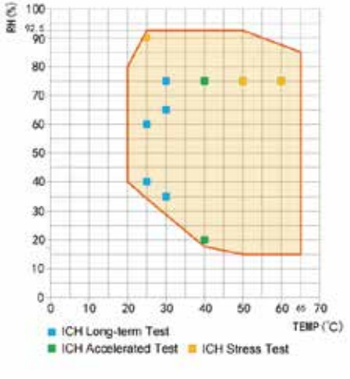
Efficiency: Utilizing advanced inverter cooling technology, energy consumption is reduced by more than 50% compared to the previous generation.

Safety: Five layers of protection, including critical leakage protection.

Reliability: Offers superior fluctuation and uniformity.

Hardware Configuration

Model	ICB-MS150-HL	ICB-MS250-HL	ICB-MS400-HL	ICB-MS500-HL	ICB-MS1000-HL
Compressor	Imported variable frequency compressor, energy saving over 50%				
Evaporator	Coating process with doubled corrosion resistance				
Humidifier	Adopts PTC heating element and features automatic protection function				
Controller	7-inch color programmable touch screen				
	Three-level authority: Configurable for more levels				
	Audit trail: Storage of operation records				
	Frequency conversion: Display the frequency output				
	Prompt Reminder: Periodic maintenance reminders				
Humidity Sensor	High-precision capacitive				
	Genuine imported				
Water System	Automatic water circulation				
	Equipped with water level scale				
Alarm System	On-site audible and visual alarm				
Structural Material	Interior: 304 stainless steel				
	Polyurethane foam insulation				
Double Door	Inner door: Tempered glass				
	With door heating to prevent condensation				
Safety Protection	Five layers of protection				
	Including independent over-temperature protection				



- Capacity: 150L, 250L, 400L, 500L, 1000L
- Temperature Range: 10～65℃
- Humidity Range: 15～95%RH
- Advanced inverter cooling technology
- Five layers of protection, including critical leakage protection









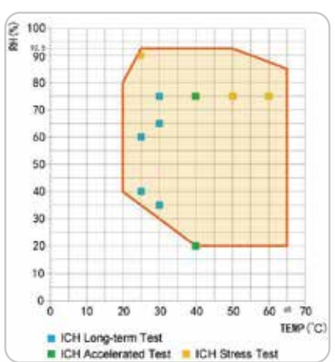


Specification

Model	ICB-MS150-HL	ICB-MS250-HL	ICB-MS400-HL	ICB-MS500-HL	ICB-MS1000-HL
Type	Single-door		Single-door		Double-door
Shelf (Standard)	3/6	3/7	3/10	4/11	4/8
Capacity (L)	150	250	400	500	1000
Temperature Range (℃)	10～65		10～65		
Temperature Fluctuation (℃)	±0.5		±0.5		
Temperature Uniformity(℃)	±1.0		±1.0		
Humidity Range (RH)	15～95%		15～95%		
Humidity Fluctuation	±2.0%		±2.0%		
Humidity Uniformity	±3.0%		±3.0%		
Electricity	220V, 50Hz/60Hz		220V, 50Hz/60Hz		
Power (kW)	1.5	1.8	2.0	2.2	3.0
Water Source	Purified water, Resistivity≥0.5MΩ·cm		Purified water, Resistivity≥0.5MΩ·cm		
Ambient Temperature(℃)	5 ~35		5 ~35		
Network	Connection via network port		Connection via network port		
InternalDimensions(W*D*H) (mm)	600*405*625	600*500*830	600*700*950	680*680*1080	1400*510*1400
External Dimensions(W*D*H) (mm)	780*830*1480	780*880*1650	780*1060*1750	860*1050*1850	1615*925*1975

Medicine Stability Testing Chamber

ICB-MS150-HLL ICB-MS250-HLL ICB-MS400-HLL ICB-MS500-HLL







Independent Zone Control: Individually adjustable illuminance for each shelf.(One lighting layer is standard across all models, and the ICB-MS500-HLL offers an optional second layer.)

Features four functions: temperature, humidity, visible light, and near-ultraviolet. Equipped with visible light and near-ultraviolet sensors for automatic illuminance control; both values are automatically printed and stored.

Software Configuration

Model	ICB-MS150-HLL ICB-MS250-HLL ICB-MS400-HLL ICB-MS500-HLL
Data Storage	Built-in storage hard drive, USB export
	5 years
Data Printing	Dot matrix micro-printer
	Long-term storage
Data Network Version	Server version
	Complies with FDA 21 CFR Part 11

Hardware Configuration

Model	ICB-MS150-HLL ICB-MS250-HLL ICB-MS400-HLL ICB-MS500-HLL
Compressor	Imported fully enclosed compressor
	High efficiency, low noise
Evaporator	Coating process with doubled corrosion resistance
Controller	7-inch color programmable touch screen
	Three-level authority: Configurable for more levels
	Audit trail: Storage of operation records
	Frequency conversion: Display the frequency output
	Prompt Reminder: Periodic maintenance reminders
Alarm System	On-site audible and visual alarm
	Remote information alarm (optional)
Structural Material	Interior: 304 stainless steel
	Polyurethane foam insulation
Double Door	Inner door: Tempered glass
	Inner wall of outer door: SUS304 stainless steel
Safety Protection	Five layers of protection
	Including independent over-temperature protection

Specifications

* All specifications were measured at an ambient temperature of 20~25°C.

Model	ICB-MS150-HLL	ICB-MS250-HLL	ICB-MS400-HLL	ICB-MS500-HLL
Capacity (L)	150	250	400	500
Shelf (Standard)	3/6	3/7	3/10	4/11
Temperature Range (℃)	15～65			
Temperature Fluctuation (℃)	±1			
Temperature Uniformity (℃)	±2			
Humidity Range (RH)	20~95%			
Visible Light	Illuminance Range: 100~8,000 Lux			
	Illuminance Uniformity: 4,500 ± 500 Lux			
	Total Illuminance: ≥ 1.2 × 10^6 Lux·hr			
UVA	Irradiance Range: 0.84~1.0 W/m²			
	Total UVA: ≥ 200 W·hr/m²			
Electricity	220V, 50Hz/60Hz			
Power (kW)	1.5	1.8	2.0	2.2
Ambient Temperature (℃)	5 ~35			
Network	Connection via network port			
Internal Dimensions(W*D*H) (mm)	600*405*625	600*500*830	600*700*950	680*680*1080
External Dimensions(W*D*H) (mm)	780*830*1480	780*880*1650	780*1060*1750	860*1050*1850

Medicine Stability Testing Chamber

ICB-MS150-LL ICB-MS500-LL ICB-MS1000-LL



ICB-MS150-LL



ICB-MS500-LL



ICB-MS1000-LL

Specifications

Model	ICB-MS150-LL	ICB-MS500-LL	ICB-MS1000-LL
Capacity (L)	150	500	1000
Temperature Range (℃)	15～50		
Temperature Fluctuation (℃)	±1		
Temperature Uniformity (℃)	±2 (same level)		
Visible Light	Illuminance Range: 100~8,000 Lux		
	Illuminance Uniformity: 4,500 ± 500 Lux		
	Total Illuminance: ≥ 1.2 × 10^6 Lux·hr		
UVA	Irradiance Range: 0.84~5 W/m²		
	Total UVA: ≥ 200 W·hr/m²		
	UVA Spectral Range: 320 ~ 400nm		
Electricity	220V, 50Hz/60Hz		
Power (kW)	1.5	2.1	2.5
Ambient Temperature (℃)	5 ~35		
Network	Connection via network port		
Internal Dimensions(W*D*H) (mm)	650*490*500	680*680*1080	1360*490*1360
External Dimensions(W*D*H) (mm)	830*790*1250	860*1050*1850	1620*910*1990
Remarks	1 layer of light, Visible Light + UVA	3 layers of light, Visible Light + UVA	3 layers of light, Visible Light + UVA

* All specifications were measured at an ambient temperature of 20~25°C.

Features

Independent Zone Control: Individually adjustable illuminance for each shelf.

Comprehensive Safety Protection: Triple safety protection, including critical leakage current protection.

Software Configuration

Model	ICB-MS150-LL ICB-MS500-LL ICB-MS1000-LL
Data Storage	Built-in storage hard drive, USB export
	5 years
Data Printing	Dot matrix micro-printer
	Long-term storage
Data Network Version	Server version
	Complies with FDA 21 CFR Part 11

Hardware Configuration

Model	ICB-MS150-LL ICB-MS500-LL ICB-MS1000-LL
Compressor	Imported fully enclosed compressor
	High efficiency, low noise
Evaporator	Coating process with doubled corrosion resistance
Controller	7-inch color programmable touch screen
	Three-level authority: Configurable for more levels
	Audit trail: Storage of operation records
	Frequency conversion: Display the frequency output
	Prompt Reminder: Periodic maintenance reminders
Alarm System	On-site audible and visual alarm
	Remote information alarm (optional)
Structural Material	Interior: 304 stainless steel
	Polyurethane foam insulation
Double Door	Inner door: Tempered glass
	Inner wall of outer door: SUS304 stainless steel
Safety Protection	Three layers of protection
	Including independent over-temperature protection

Friability Tester

FRAT-1



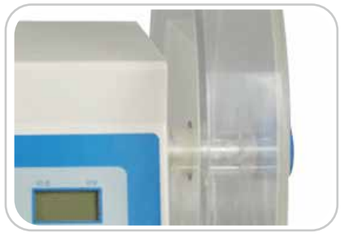
- Friability tester is used to test the physical properties of non-coated tablets in mechanical stability, abrasion resistance collision resistance and so on in the process of production, packaging and storage; it can also test the friable condition of tablet coating and capsules.













Features

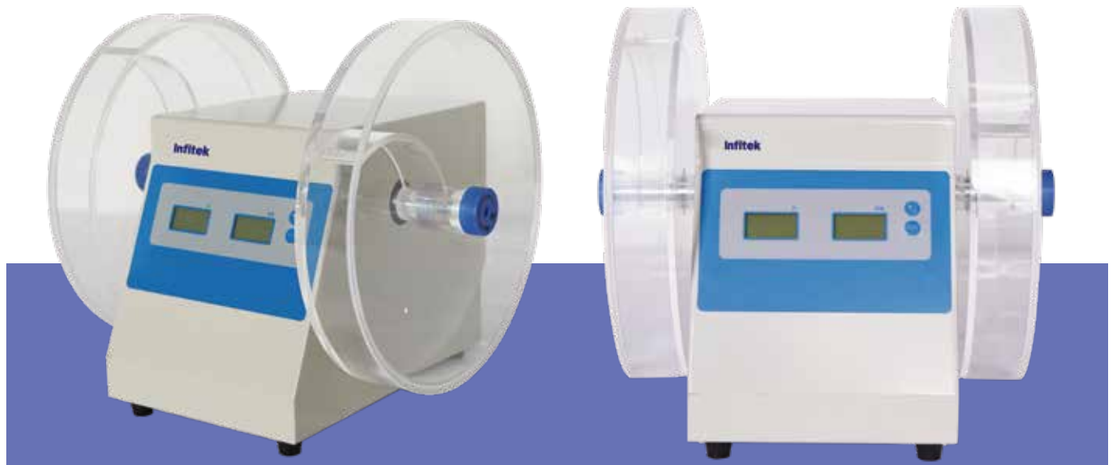
- Single path and double cylinder, synchronous operation and automatic stop.
- The parameters like number of turns and rotating speed can be preset arbitrarily, which provides multiple choices for the experiment.
- Intelligently control two performance parameters like the rotating speed of cylinder and revolutions.
- LCD for the instrument, displaying the preset value and real-time value through time division.

Specification

Model	FRAT-1
Number of cylinder	2
Rotating speed	20～100 rpm can be set arbitrarily
Rotating accuracy	±1 rpm
Counting mode	5 turns～900 turns can be set arbitrarily; countdown is adopted.
Inner diameter of cylinder	286mm
Cylinder depth	39mm
Sliding height	156mm
Power supply	220V50Hz
Total power	40W
Overall dimensions	L*W*H（370mm *300mm *340mm）

Friability Tester

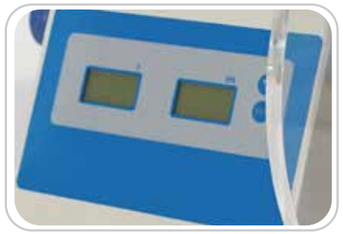
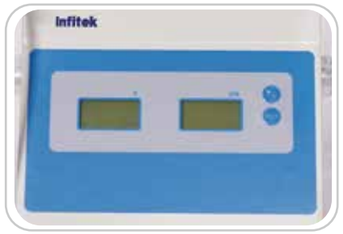
FRAT-2



- Friability tester is used to test the physical properties of non-coated tablets in mechanical stability, abrasion resistance collision resistance and so on in the process of production, packaging and storage; it can also test the friable condition of tablet coating and capsules.







Features

- Single path and double cylinder, synchronous operation and automatic stop.
- The number of turns and rotating speed adopt the standard of Pharmacopeia, dispensing with modification, which enables the operation to be simple and convenient.
- LCD for the instrument, displaying the preset value and real-time value through time division.

Specification

Model	FRAT-2
Number of cylinder	2
Rotating speed	25 rpm
Rotating accuracy	±1 rpm
Counting mode	100 turns; countdown is adopted.
Inner diameter of cylinder	286mm
Cylinder depth	39mm
Sliding height	156mm
Power supply	220V50Hz
Total power	20W
Overall dimensions	L*W*H（370mm *300mm *340mm）
Package Dimension (W*D*H)(mm)	460*420*540
G.W.(kg)	11.2

Friability Tester

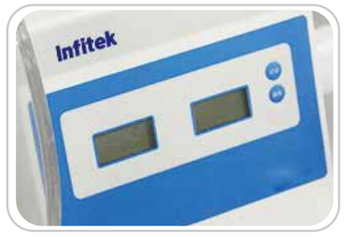
FRAT-3





- Friability tester is used to test the physical properties of non-coated tablets in mechanical stability, abrasion resistance collision resistance and so on in the process of production, packaging and storage; it can also test the friable condition of tablet coating and capsules.









Features

- Single path and double cylinder, synchronous operation and automatic stop.
- LCD for the instrument, displaying the preset value and real-time value through time division.
- The parameters of number of circles can be preset at will.

Specification

Model	FRAT-3
Number of cylinder	2
Rotating speed	25 rpm can be set arbitrarily
Rotating accuracy	±1 rpm
Counting mode	5 turns～900 turns can be set arbitrarily; countdown is adopted.
Inner diameter of cylinder	286mm
Cylinder depth	39mm
Sliding height	156mm
Power supply	220V50Hz
Total power	20W
Overall dimensions	L*W*H（370mm *300mm *340mm）
Package Dimension (W*D*H)(mm)	420*460*550
G.W.(kg)	12

Friability Tester

FRAT-4



- series of instruments are used for detecting friability/ abrasion of tablet.







Features

- Single path and single cylinder, separate operation and automatic stop.
- The cylinder is made of high-quality colorless transparent organic glass.
- LCD for the instrument, displaying the preset value and real-time value through time division.
- Automation: auto-test, auto-diagnose, auto-alarm.

Specification

Model	FRAT-4
Cylinder number	1
Cylinder radius	Φ286mm
Cylinder depth	39mm
Tablet fall height	156mm
Rotation speed	25rpm
Rotation Speed accuracy	±1rpm
Rotation count	(5~900)turns
Rotation count accuracy	±1turns
Power	220V/ 50Hz/ 20W or 110V/ 60Hz/ 20W
Dimension	(300×200×340)mm³

Friability Tester

TABT-2



- The intelligent dual-purpose tablet tester is used to test the hardness and friability of the tablet. It is an ideal multi-purpose drug testing instrument.
  It complies with the 2020 edition of the Pharmacopoeia.







Features

- Intelligent, automatic control, detection, diagnosis, and alarm.
- Automatically controls the cylinder rotation speed and the rotation number with high control accuracy.
- Hardness high-precision pressure sensor, digital display hardness value.
- Continuous measurement of the hardness value of the tablet, manual loading of the tablet, motor control, automatic pressure.
- Automatic display, lock, reset, cycle
- It can measure hardness and diameter simultaneously

Specification

Model	TABT-2
Loop Number Range	1～900 laps
Cylinder Number	2
Cylinder Size: inner diameter	286mm / depth: 39mm
Slide Height	156mm
Cylinder Speed	25±1 rpm
Hardness Range	2～489.9 N
Diameter Range	3～40mm
Power Source	220V/50Hz/40W

Intelligent Four-function Tablet Tester

TABT-4



Main features

- Smart, automatic control, automatic detection, automatic diagnosis and automatic alarm.
- Magnetic water pump circulating water flow uniform heat system is adopted, bath temperature is uniform.
- Automatic temperature control and high temperature control precision.
- Automatic time control and automatic timing shutdown.
- Parameters can be preset arbitrarily; preset value and real-time value can be displayed by time division.
- The three dissolution cups and three rods are in a single row; the head part can be turned over manually, it's steady and flexible.
- Imported SUS316L stainless steel is adopted for dissolution rotation baskets and paddle rods, etc.
- Two-path disintegration operates at the same time, automatic timing shutdown.
- Automatic control of friability and high control precision for cylinder rotation speed and number of turns.
- Hardness high-precision pressure sensor, digital display of hardness value.
- Continuous measurement of tablet hardness value, manual tablet feeding, motor control and automatic compression.
- Automatic display, automatic latching, automatic reset and automatic cyclic test

- Intelligent four-function tablet tester is used to test the hardness, friability, disintegration time limit and dissolution rate; it's a very ideal multi-purpose drug test instrument.



Specification

Model	TABT-4
Dissolving quantity	3PCS
Temperature control range	(20~40) ℃ ±0.3 ℃
Speed adjustable range	(20~200)rpm±2rpm
Timing range	(1~900)min±0.5min
Swing of paddle rod	±0.5mm
Swing of rotation basket	±1 .0mm
Number of baskets	2
Reciprocation frequency	(30~32)times/min
Reciprocation stroke	(55±2)mm
Number of cylinders	1
Cylinder size inner diameter	inner diameter:286mm, depth:39mm
Sliding height	156mm
Cylinder speed	(25±1)times/min
Number of cylinder turns	(100±1)turns
Hardness range	(2~199)N±1N
Diameter range	(3~40)mm
Power supply	220V/50HZ/600W
Overall dimensions	(57×52×47)cm^3

Tablet Hardness Tester

THDT-1



- Tablet hardness tester is used to measure the crushing hardness of tablets.

Features

- High-precision pressure sensor ensures the precision and reproducibility of test.
- Manual loading and manual tablet compressing, easy operation.
- The system can realize automatic display, automatic latching, automatic reset, automatic cycle test, automatic linear error correction and automatic fault diagnosis.
- Provide the function of unit conversion, which can realize the conversion both before or after the tests.
- The user can use the standard weight to correct the measurement accuracy of the instrument regularly, which is very convenient.



Specification

Model	THDT-1
Hardness test range	2-198N 0.2KG-20KG
Resolution	0.1N 0.01Kg
Hardness measurement accuracy	range±0.5%
Tablet measurement diameter	2-20mm
Machine power	10W
Overall dimensions	L*W*H 280mm*180mm*110mm

Tablet Hardness Tester

THDT-2



- Tablet hardness tester is used to measure the crushing hardness of tablets.

Features

- High-precision pressure sensor ensures the precision and reproducibility of test.
- High-definition LCD is adopted, the display contents are rich; users can enjoy intelligent operations according to the screen tips, Chinese character hint and quantitative index are provided for each operational process.
- Optional for measuring mode: Manual single tablet/automatic continuation.
- The system can realize automatic tablet compressing, automatic display, automatic latching, automatic reset, automatic cycle test, automatic linear error correction and automatic fault diagnosis.
- For the automatic and continuous tests, provide the function of inquiring the previous test results, which is convenient for data recording.
- Automatic calculation of tablet return travel can compress your test duty time.
- One-key conversion of measuring unit (Newton-Kilogram)
- Convenient and efficient measurement of tablet diameter.



Specification

Model	THDT-2
Hardness test range	2-200N 0.2KG-20KG【Customizable 500N(50KG)】
Resolution	0.1N 0.01Kg
Hardness measurement accuracy	range±0.5%
Tablet measurement diameter	2-40mm
Repeated measurement error	±1%
Measuring unit	Newton (N) Kilogram(KG)
	Kilogram force(Kgf) (1Kgf=9.81N)
Number of testing tablets in each group	≤100 tablets
Machine power	40W
Overall dimensions（L*W*H）(mm)	400*240*140
Package Dimension (W*D*H)(mm)	530*380*270
G.W.(kg)	10.5

Tablet Hardness Tester

THDT-3



- Tablet hardness tester is used to measure the crushing hardness of tablets.

Features

- High-precision pressure sensor ensures the precision and reproducibility of test.
- The high-definition LCD screen displays rich content. Users can enjoy intelligent operation according to the screen prompts. Prompts and quantitative indicators are given for each operation process.
- Optional for measuring mode: Manual single tablet/automatic continuation.
- The system can realize automatic tablet compressing, automatic display, automatic latching, automatic reset, automatic cycle test, automatic linear error correction and automatic fault diagnosis.
- Strong data processing ability; statistics, analysis, printing and display are available for test result. It can submit the reports of maximum and minimum values, standard deviation and range of change of the test sample.
- Automatic calculation of tablet return travel can compress your test duty time.
- One-key conversion of measuring unit (Newton-Kilogram)
- New type front paper change mini-printer.
- Convenient and efficient measurement of tablet diameter.

Specification

Model	THDT-3
Hardness Test Range	2~350N, can be customized to 500N (50kg)
Resolution	0.1N (0.01kg)
Hardness Measurement Accuracy	Range ± 0.5%
Tablet Measurement Diameter	2~40mm
Repeated Measurement Error	±1%
Number of Testing Tablets in Each Group	≤100 tablets
Measurement Unit	Newton (N)
	Kilogram force(kgf) (1kgf=9.81N)
Interface	Standard serial printing interface, with built-in micro printer (optional dot matrix printer)
Overall Dimensions(L*W*H)	500mm*400mm*160mm

Tablet Hardness Tester

THDT-5E



Description

The Intelligent Tablet Hardness Tester is a 4-in-1 pharmaceutical testing and analytical instrument designed for measuring the physical parameters of tablets, including weight, hardness, diameter, and thickness. It is widely used in pharmaceutical factories, drug inspection institutes, and relevant research institutions.

Features

- The user interface is controlled by a microcontroller, making it convenient and quick to use.
- Equipped with high-precision pressure sensors to ensure high measurement accuracy.
- Features an LCD display with English interface.
- Automatically performs statistical analysis, printing, and display of measurement data.
- Features a real-time calendar and clock function, allowing testing and calibration dates and times to be printed on the test report.
- Includes a self-diagnosis function to automatically prompt the user in case of anomalies during testing.
- Built-in thermal printer
- Features a calibration function with a convenient and simple calibration process.

Specification

Model	THDT-5E
Measurement Range	Hardness: 10-500 N, Resolution: 0.01 N, Accuracy: 0.1 N
	Diameter: 2-25 mm, Resolution: 0.01 mm, Accuracy: 0.1 mm
	Thickness: 0.5-15 mm, Resolution: 0.01 mm, Accuracy: 0.1 mm
	Weight: 1-20,000 mg, Resolution: 1 mg, Accuracy: 20 mg
Measurement Units	Hardness: N / kg / kPa (Selectable)
	Diameter: mm / inch (Selectable)
Measurement Mode	Manual single-tablet / Automatic continuous (max. 100 tablets per run) / Selectable
Display	7-inch touch screen
Power Supply	220V/50Hz

Thickness Testers

THKT-1



Features

- For measuring the wall thickness and top thickness of capsules.
- Domestic high-quality precision dial indicator measurement with high test accuracy.

Specification

Model	THKT-1
Test range	(0～5)mm
Test accuracy	±0.01mm
Type of capsule	00,0,1,2,3,4 type capsule
Dimension	200mm×80mm×50mm

Thickness Testers

THKT-2



Features

- Measure the wall thickness and top thickness of various capsules as well as the diameter and thickness of various tablets, pills, etc.
- Domestic high-quality precision dial indicator measurement with high test accuracy.

Specification

Model	THKT-2
Test range	(0～30)mm
Test accuracy	±0.01mm
Type of capsule	00,0,1,2,3,4 type capsule
Range of test tablet	0～30mm
Dimension	200mm×80mm×50mm

Thickness Testers

THKT-3



Features

- For measuring the wall thickness and top thickness of capsules.
- Domestic high-quality precision dial indicator measurement with high test accuracy.

Specification

Model	THKT-3
Test range	(0～5)mm
Test accuracy	±0.01mm
Type of capsule	00,0,1,2,3,4 type capsule
Dimension	160mm×60mm×50mm

Thickness Testers

THKT-4



Features

- Measure the wall thickness and top thickness of various capsules as well as the diameter and thickness of various tablets, pills, etc.
- Domestic high-quality precision dial indicator measurement with high test accuracy.

Specification

Model	THKT-4
Test range	(0～30)mm
Test accuracy	±0.01mm
Type of capsule	00,0,1,2,3,4 type capsule
Range of test tablet	0～30mm
Dimension	160mm×60mm×50mm

Dissolution Sampling System

DISS-Y8 DISS-Y12

- Sampling Channels: 8, 12
- Sampling Times: 16 times
- Sampling Modes: Precision, Speed
- Single Sampling Volume: 1mL-15mL (expandable up to 30mL)
- Supports fingerprint login and online printing



Description

The DISS-Y series supports online operation via WiFi. All models in this series utilize 26mL high-precision syringes as the sampling drive, delivering fast sampling speed and high accuracy. The entire system has the functions of primary filtrate and distribution, and can realize the waste of primary filtrate and the continued filtrate distribution and sample retention.

Furthermore, samples can be collected directly into ampoules. Precision syringe pumps are employed to achieve high-precision automatic filtration, sampling, and liquid replenishment. It features an advanced design, precise control, and a high level of intelligence.







Features

- Compatible with dissolution testers from most manufacturers.
- Fully corrosion-resistant and high-pressure resistant tubing.
- Features pre-filtration and terminal filtration; the filters can be thoroughly rinsed via circulation and are easy to replace.
- Equipped with 10 mL sample tubes (with sealing caps), with optional sampling into vials with new sealing caps (2 mL, 10 mL).
- Sampling needle equipped with septum-piercing and vial-ejection mechanisms, with built-in PTFE tubing.
- High precision (repeatability RSD < 0.5%).
- High speed (pump speed < 25 mL/min, completing the sampling and filtration process within 30 s under most conditions).
- Privilege management, supporting 3 levels and 7 users.
- With audit trail function.
- Supports fingerprint login and online printing.

Specification

Model	DISS-Y8	DISS-Y12
Sampling Channels	8	12
Sampling Times	16 times	
Sampling Modes	Precision, Speed	
Sampling Accuracy	RSD < 0.5%	
Sampling Interval	1min ~ 999h 59min	
Single Sampling Volume	1mL-15mL (expandable up to 30mL)	
Sampling Consistency	Channel-to-channel RSD ≤ 1%	
Sampling Repeatability	RSD ≤ 0.5%	
Syringe Specification	26 mL, 0.5% accuracy	
Test Tube Collection Volume	15 mL	
Dispensing Function	Available	
Liquid Replenishment Function	Equal-volume liquid replenishment	
Initial Filtrate Volume	0 mL–10 mL	
Initial Filtration	10 μm columnar filter tips	
Inline Filter	φ25 mm, Luer-lock filter with 0.45 μm, 0.8 μm membrane pore size, cellulose material	
Communication Interfaces	WiFi	
Privilege Management	3 levels, 7 users	
Audit Trail	128 entries × 366 days	
Login Method	Username + password, fingerprint	
Online Printing	Supported	