



Facebook



WhatsApp



Twitter



LinkedIn



Instagram



YouTube



INFITEK

LAB & MED equipment one-stop solution provider

Infitek Co., Ltd.

TEL: +86-531-88982330

FAX: +86-531-88983691

Website: infitek.com

Email: info@infitek.com

Service: support@infitek.com

Address: Room 201, Building A, No.1 Qianwan 1st Road, Qianhai
Shenzhen-Hong Kong Cooperation Zone, Shenzhen (Settled in
Shenzhen Qianhai Business Secretary Co., Ltd.)

Infitek Inc.

522w Riverside Ave Ste N, Spokane, wa 99201

Email: Info@infitek.com



Website

WeChat

INFITEK CO., LTD.

PRODUCT BROCHURE

Clarity Testers

CLRT-1

Reliability

It tests clarity of injection and bottled medicine liquid.



Applicable standards

- National standard (Chinese codex) / 2015
- Health department standard
- Corporate standard (Clarity 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 clarity 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



Reliability

- Use for testing the transparency value of gelatin.

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)cm ² |
| 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°C automatically (prescribed by Pharmacopoeia). 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°C |
| Display resolution | 0.1°C. |
| Temperature control accuracy | ±0.3°C |
| 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°C automatically (prescribed by Pharmacopoeia). 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°C Display resolution 0.1°C. |
| Temperature control accuracy | ±0.3°C |
| 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 °C automatically (prescribed by Pharmacopoeia). 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 °C Display resolution: 0.1 °C. |
| Temperature control accuracy | ±0.3 °C |
| 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 °C automatically (prescribed by Pharmacopoeia). 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 °C Display resolution: 0.1 °C |
| Temperature control accuracy | ±0.3 °C |
| 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

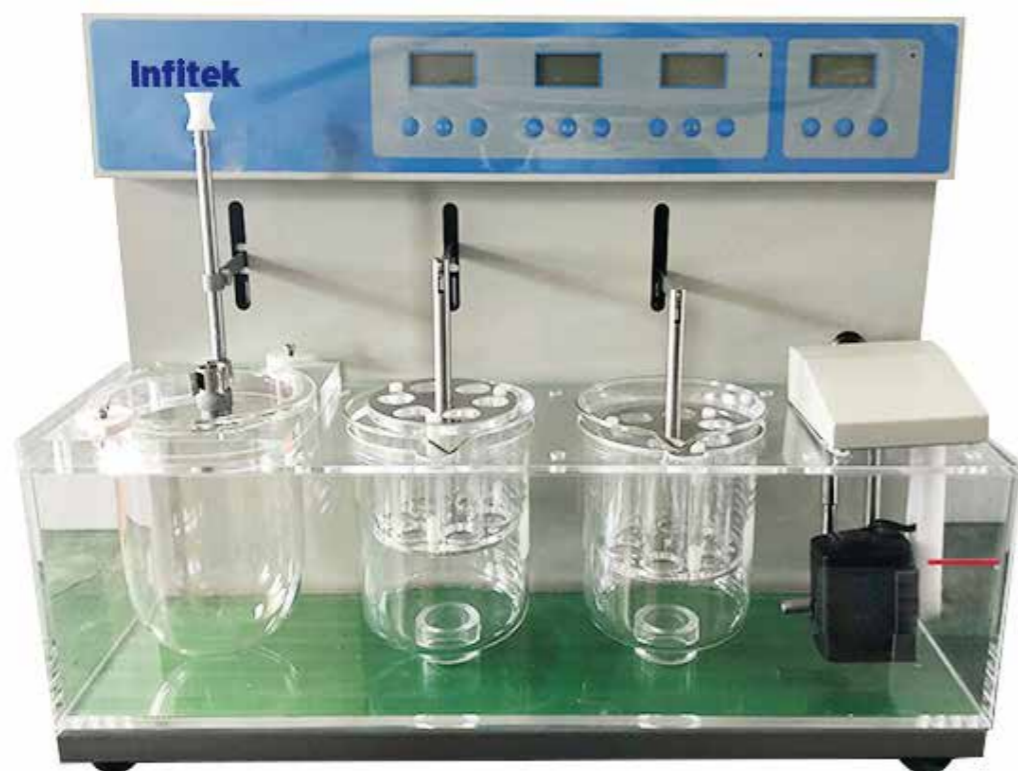
- Adopt the single cup and single basket structure, each instrument is equipped with a disintegration basket, which is convenient for observation and judgment.
- Adopt a special cup instead of a flat-bottomed beaker, which is convenient to fix the position.
- The disintegration basket meets the requirements 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 C |
| Temperature control accuracy | ≤±0.3 C. |

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 °C (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 °C |
| Display resolution | 0.1 °C |
| Temperature control accuracy | ±0.3 °C |
| 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) °C |
| Temperature control precision | ±0.5 °C |
| 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℃ |
| Temperature Stability | ±0.3℃ |
| 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)mm ³ |

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 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-3E |
|---------------------------|----------------------------------|
| Speed range | (20~200)rpm |
| Speed accuracy | ±2rpm |
| Temperature range ambient | +45.0℃ |
| Temperature Stability | ±0.3℃ |
| 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)mm ³ |

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 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)mm ³ |
| 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 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)mm ³ |
| 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℃ |
| 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)mm ³ |

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℃ |
| 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)mm ³ |

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 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 | 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) C |
| Temperature control precision | ±0.5 C |
| Volume of beaker | 5L(3PCS) |
| Power supply | 220V/50Hz/1000W |

Dissolution Testers

DIST-12



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.

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

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 |

Medicine Stability Testing Chamber

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



ICB-MS150-HL ICB-MS250-HL
 ICB-MS400-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 | | | | |
| Humidity Sensor | Prompt Reminder: Periodic maintenance reminders | | | | |
| | 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 C
- 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 (C) | 10~65 | | 10~65 | | |
| Temperature Fluctuation (C) | ±0.5 | | ±0.5 | | |
| Temperature Uniformity(C) | ±0.5 | | ±0.5 | | |
| 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(C) | 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.



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.

Specifications

| 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 (°C) | 15~65 | | | |
| Temperature Fluctuation (°C) | ±1 | | | |
| Temperature Uniformity (°C) | ±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/m ² | | | |
| | Total UVA: ≥ 200 W·hr/m ² | | | |
| Electricity | 220V, 50Hz/60Hz | | | |
| Power (kW) | 1.5 | 1.8 | 2.0 | 2.2 |
| Ambient Temperature (°C) | 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 |

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 | | | |
| Alarm System | Prompt Reminder: Periodic maintenance reminders | | | |
| | On-site audible and visual alarm | | | |
| Structural Material | Remote information alarm (optional) | | | |
| | Interior: 304 stainless steel | | | |
| Double Door | Polyurethane foam insulation | | | |
| | Inner door: Tempered glass | | | |
| Safety Protection | Inner wall of outer door: SUS304 stainless steel | | | |
| | Three layers of protection | | | |
| | Including independent over-temperature protection | | | |

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 | | | |

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

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 (°C) | 15~50 | | |
| Temperature Fluctuation (°C) | ±1 | | |
| Temperature Uniformity (°C) | ±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/m ² | | |
| | Total UVA: ≥ 200 W·hr/m ² | | |
| | UVA Spectral Range: 320 ~ 400nm | | |
| Electricity | 220V, 50Hz/60Hz | | |
| Power (kW) | 1.5 | 2.1 | 2.5 |
| Ambient Temperature (°C) | 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

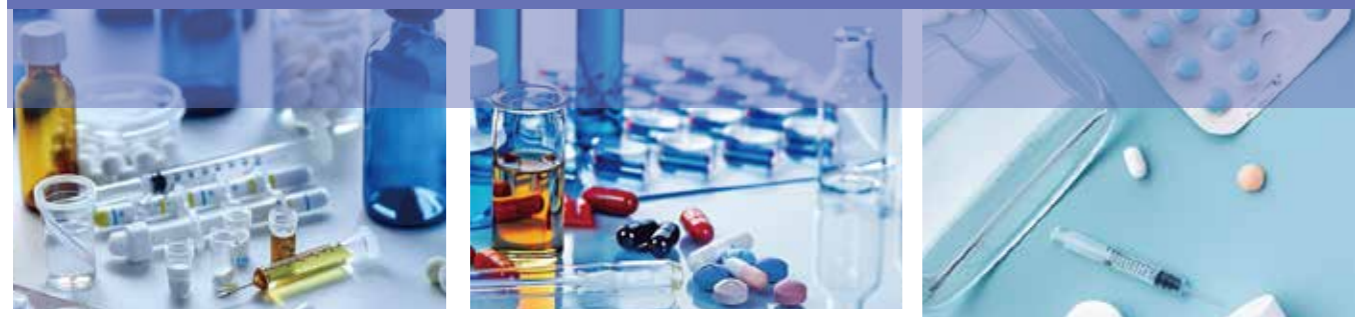
| Model | ICB-MS150-LL | ICB-MS500-LL | ICB-MS1000-LL |
|---------------------|--|--------------|---------------|
| Compressor | Imported fully enclosed compressor High efficiency, low noise | | |
| Evaporator | Coating process with doubled corrosion resistance | | |
| Controller | 7-inch color programmable 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

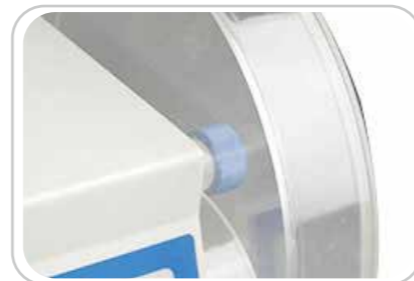
| Model | FRAT-2 |
|-------------------------------|----------------------------------|
| Number of cylinder | 2 |
| Rotating speed | 25 rpm |
| Rotating accuracy | ±1 rpm |
| Counting mode | 100 turns; countdown is adopted. |
| Inner diameter of cylinder | 286mm |
| Cylinder depth | 39mm |
| Sliding 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/ 50W or 110V/ 60Hz/ 50W |
| Dimension | (300×200×340)mm ³ |

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) °C ±0.3 °C |
| 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 $\pm 0.5\%$ |
| Tablet Measurement Diameter | 2~40mm |
| Repeated Measurement Error | $\pm 1\%$ |
| 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 |

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 |