

ZHICHENG[®]

*Advanced Ranges
Shaking Incubators*

*2018
Brochure*

Models:

ZWYR-240
ZWYR-200D
ZWYR-211C
ZWYR-211D
ZWYR-2102C
ZWYR-2102
ZWYR-2112B
ZWYR-D2401
ZWYR-D2402
ZWYR-D2403

*With
Intelligent
Touch Screen
Controller*



The Flagships

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Description

The new advanced ranges of shaking incubators come with plenty of latest technology and features to meet customers ever rising expectations. They have gotten sleeker, with a new body and a new name (**LABWIT[®]**) that is supposed to change customers' perception of the brand.

All the products feature an intelligent microprocessor-based touch screen controller that provides exceptionally easy operation. The shaking incubators also offer the choice of steady running mode and programable running mode to suit diversified user experimentation requirements. Rigorously tested by the third-party independent certification body DNV, the new shaking incubators offer complete user safety.

Models: ZWYR-240, ZWYR-200D



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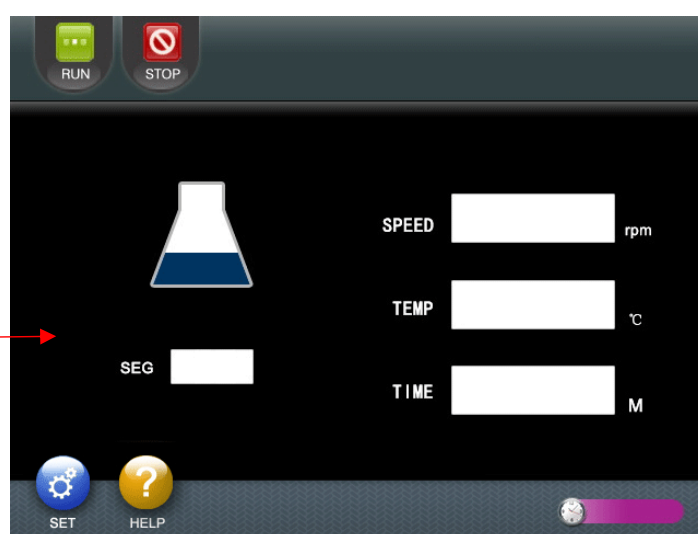
With the newly designed microprocessor-based, 65K colors, 4.3 inch intuitive touch screen controller, it offers exceptionally easy controls of entering & viewing the setpoints. The touch screen shows temperature readings along with detailed information on timer, speed, running modes. The display is bright and clearly visible from all angles.



15° angle sloped controller provides convenient setting of parameters.

Easy-to-use, Intuitive touch screen interface greatly simplifies user operation.

Default Interface



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Running Mode Options

The shaking incubator offers the choice of steady running mode and programmable running mode to suit diversified user experimentation requirements. A maximum of 18-step, 9 programs can be stored for convenient retrieval, each program can be repeated up to 99 cycle times.



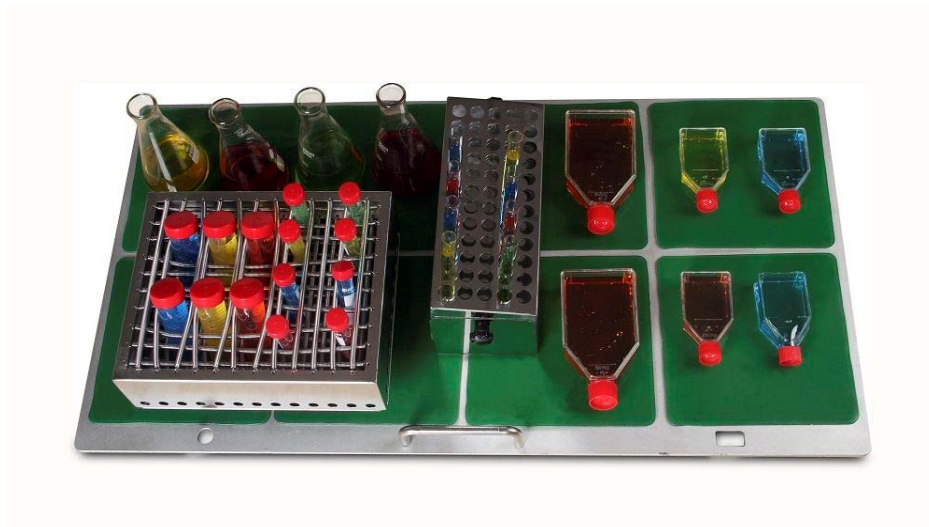
Automatic Defrosting

The New shaking incubators provide an automatic defrost function that operates automatically at a specified time every day. Manual defrosting is also available. An efficient compressor together with CFC-free refrigerants minimize energy consumption significantly.

An optional universal spring coil platform that can fit any flasks and test tubes on it. The spring coil platform can be ordered separately upon request.



Green sticky mats are also available upon order which allows flexible use of the culturing vessels and test tube racks to the universal platform.



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Specifications

| | |
|---------------------------------|--|
| Model | ZWYR-240 shaking incubator |
| Shaking mode | Orbital |
| Controller | P.I.D Microprocessor |
| Display | 65K, 4.3 inch 480x272 Touch Screen |
| Temperature range | 4 to 60°C (or ambient-20 to 60°C) |
| Minimum temperature setpoint | 4°C |
| Temperature setting resolution | 0.1°C |
| Temperature homogeneity | ± 1°C@37°C |
| Temperature fluctuation | ≤±0.1°C@37°C |
| Airflow type | Forced-air circulation |
| Refrigeration | Compressor-cooled, R134a |
| Defrosting | Automatic |
| Speed range | 30 to 400 rpm (±1rpm) |
| Orbit diameter (shaking throw) | Φ0~50mm variable |
| Timer (minutes) | 0~9999 |
| Capacity (Erlenmeyer flasks) | 1000mlx5 or 750mlx9 or 500mlx10 or 250mlx15 or 100mlx25 or 50mlx25 |
| Platform size | 400 x 370mm |
| Functions | Auto-diagnostics, over-temperature alarm, relay for heating cutoff, electric leakage protection, auto-start and real time clock, programs. |
| Internal dimensions (w x d x h) | 490 x 450 x 335mm |
| Volumn | 69L |
| External dimensions (w x d x h) | 774 x 732 x 605mm |
| Net/Gross weight | 100/132kg |
| Power | 700W |
| Electrical supply | AC 220~230V, 50/60Hz |

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Specifications

| | |
|---------------------------------|--|
| Model | ZWYR-200D |
| Item Name | Benchtop incubator shaker |
| Shaking mode | Orbital |
| Controller | P.I.D Microprocessor |
| Display | 65K colors, 4.3 inch intuitive touch screen. |
| Temperature range | 4 to 60°C (or ambient-20 to 60°C) |
| Minimum temperature setpoint | 4°C |
| Temperature setting resolution | 0.1°C |
| Temperature homogeneity | ± 0.5°C |
| Temperature fluctuation | ≤±0.1°C@37°C |
| Airflow type | Forced-air circulation |
| Refrigeration | Compressor-cooled, R134a |
| Speed range | 30 to 600 rpm (±1rpm) |
| Orbit diameter (shaking throw) | Φ0~50mm variable |
| Timer (minutes) | 0~500 hours |
| Capacity (Erlenmeyer flasks) | 1000mlx5 or 750mlx9 or 500mlx10 or 250mlx15 or 100mlx25 or 50mlx25 |
| Platform size | 400 x 370mm |
| Internal dimensions (w x d x h) | 490 x 450 x 315mm |
| Volume | 69L |
| External dimensions (w x d x h) | 774 x 732 x 605mm |
| Net/Gross weight | 100/132kg |
| Power | 700W |
| Electrical supply | AC 220~230V, 50/60Hz |
| Approval | CE Marked |

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Models: ZWYR-211C, ZWYR-211D



Heavy Duty
Large Capacity
Comfortable Height



ZWYR-211D comes with a foot-pedal

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Specifications

| | | |
|-------------------------------|--|---|
| Model | ZWYR-211D | ZWYR-211C |
| Shaking Mode | Orbital | Orbital |
| Temperature Range | Ambient-20°C to 60°C (or 4~60 degree.C at room temperature of 25 degree.C) | Ambient-20°C to 60°C (or 4~60 degree.C at room temperature of 25 degree.C) |
| Temperature Set Resolution | ±0.1°C | ±0.1°C |
| Temperature Uniformity | ±1°C@37°C | ±1°C@37°C |
| Temperature Sensor | PT100 | PT100 |
| Heat Distribution | Forced-air circulation | Forced-air circulation |
| Control | P.I.D Microprocessor | P.I.D Microprocessor |
| Setting | Digital | Digital |
| Display | Touch Screen | Touch Screen |
| Diameter of Orbit | 26mm | 26mm |
| Shaking Speed | 30-300 rpm (±1 rpm) | 30-300 rpm (±1 rpm) |
| Timer | 0~9999 minutes | 0~9999 minutes |
| Refrigeration | Automatic | Automatic |
| Defrosting | Automatic. Manual available. | Automatic, Manual available. |
| Programs | 9 programs, 18 steps | 9 programs, 18 steps |
| Other functions | Non-volatile memory, over-temperature alarm, real time clock. | Non-volatile memory, over-temperature alarm, real time clock. |
| Volume | 304L | 256L |
| Max.Capacity | 50mlx94 or 100mlx94 250mlx66 or 500mlx44 750mlx32 or 1000mlx27 2000mlx15 or 3000mlx11 5000mlx8 | 50mlx82 or 100mlx82 250mlx50 or 500mlx37 750mlx28 or 1000mlx22 2000mlx14 or 3000mlx8 5000mlx6 |
| Door Lifting Mechanism | Foot Pedal | Manual |
| Platform Size | 940x584 mm | 920x500 mm |
| Internal Dimension | 1000x655x465mm | 975x565x465mm |
| Platform included | 1 | 1 |
| Motor Power | 1340W | 1120W |
| Electrical Requirement | AC 220~230V 50/60Hz | AC 220~230V 50/60Hz |
| Net/Gross Weight | 263/313Kg | 183/228Kg |
| External Dimension | 129x85x105cm | 123x76x105cm |
| Approval | CE, ISO | CE, ISO |

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Model: ZWYR-2102C Double Layer Shaking Incubator



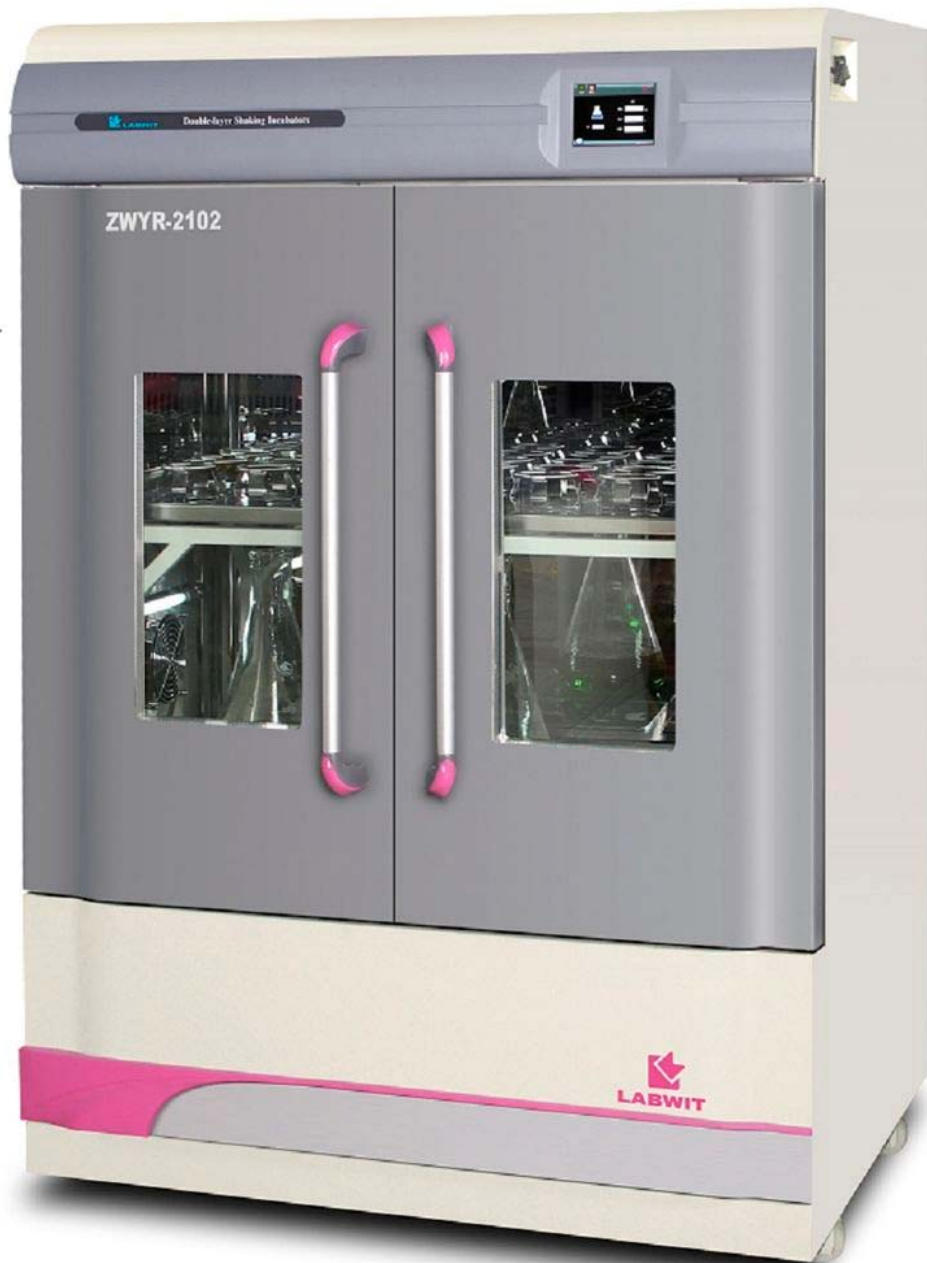
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Specification

| | |
|---|---|
| Model | ZWYR-2102C |
| Item | Shaking Incubator |
| Controller | P.I.D microprocessor, fully programmable. |
| Performance | Heated and Refrigerated |
| Temperature Range | Ambient-20°C to 60°C (or 4~60°C) |
| Setting | Digital |
| Display | 4.3 inch, 65K color, Touch Screen |
| Temperature Set Resolution | ±0.1°C |
| Temperature Uniformity | ±1°C@37°C |
| Airflow type | Forced-air circulation |
| Refrigeration | Automatic, Compressor-cooled. |
| Defrosting | Automatic, Manual available. |
| Shaking Mode | Orbital |
| Orbital Diameter (shaking throw) mm | Φ26 |
| Shaking Speed | 30-300 rpm (±1rpm) |
| Maximum Capacity (for Erlenmeyer flasks) | 50mlx56 or 100mlx56 or 250mlx36 or 500mlx24 or 750mlx20 |
| Timer (minutes) | 0~9999 |
| Programs | 6 programs, 12 steps. |
| Functions | <ul style="list-style-type: none"> ● Auto-diagnostics ● over-temperature alarm ● relay for heating cutoff ● electric leakage protection ● auto-start and real time clock |
| Platform Size | 496x350 mm |
| Platform numbers | 2 pieces, included |
| Volumn | 173L |
| Internal Dimension | 615x440x640mm |
| Electricity | 220-230V 50/60Hz |
| Motor Power | 950W |
| Net/Gross Weight | 165/190Kg |
| External Dimension | 720x630x1275mm |
| Packing Dimension | 840x750x1445mm |
| Approval | CE, ISO |

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Model: ZWYR-2102 Double Layer Shaking Incubator, two doors.



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Specifications

| | |
|---|---|
| Model | ZWYR-2102 |
| Item | Shaking Incubator |
| Controller | P.I.D microprocessor, fully programmable. |
| Performance | Heated and Refrigerated |
| Temperature Range | Ambient-20°C to 60°C (or 4~60°C) |
| Setting | Digital |
| Display | 4.3 inch, 65K color, Touch Screen |
| Temperature Set Resolution | ±0.1°C |
| Temperature Uniformity | ±1°C@37°C |
| Airflow type | Forced-air circulation |
| Refrigeration | Automatic, Compressor-cooled. |
| Defrosting | Automatic, Manual available. |
| Shaking Mode | Orbital |
| Orbital Diameter (shaking throw) mm | Φ35 |
| Shaking Speed | 30-300 rpm (±1rpm) |
| Maximum Capacity (for Erlenmeyer flasks) | 50mlx56 or 100mlx56 or 250mlx36 or 500mlx24 or 750mlx20 |
| Timer (minutes) | 0~9999 |
| Programs | 6 programs, 12 steps. |
| Functions | <ul style="list-style-type: none"> ● Auto-diagnostics ● over-temperature alarm ● relay for heating cutoff ● electric leakage protection ● auto-start and real time clock |
| Platform Size | 734x458 mm |
| Platform numbers | 2 pieces, included |
| Door numbers | Double doors. |
| Volumn | 332L |
| Internal Dimension | 845x515x765mm |
| Electricity | 220-230V 50/60Hz |
| Motor Power | 1200W |
| Net/Gross Weight | 235/272Kg |
| External Dimension | 750x710x1370mm |
| Packing Dimension | 1070x830x1540mm |
| Approval | CE, ISO |

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Model: ZWYR-2112B Double Layer Shaking Incubator, two doors.



The Ultimate Pros

More Power

More Capacity

More Performance

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Specifications

| | |
|---|---|
| Model | ZWYR-2112B |
| Item | Shaking Incubator |
| Controller | P.I.D microprocessor, fully programmable. |
| Performance | Heated and Refrigerated |
| Temperature Range | ambient-20°C to 60°C (or 4~60°C) |
| Setting | Digital |
| Display | 4.3 inch, 65K color, Touch Screen |
| Temperature Set Resolution | ±0.1°C |
| Temperature Uniformity | ±1°C@37°C |
| Airflow type | Forced-air circulation |
| Refrigeration | Automatic, Compressor-cooled. |
| Defrosting | Automatic. Manual available. |
| Shaking Mode | Orbital |
| Orbital Diameter (shaking throw) mm | Φ35 |
| Shaking Speed | 30-300 rpm (±1rpm) |
| Capacity (Support Erlenmeyer flasks) | 50mlx178 or 100mlx178 or 250mlx132 or 500mlx88 or 750mlx64 or 1000mlx52 |
| Timer (minutes) | 0~9999 |
| Functions | <ul style="list-style-type: none"> ● Auto-diagnostics ● Over-temperature alarm ● relay for heating cutoff ● electric leakage protection ● auto-start and real time clock |
| Operation mode | Programmable mode or steady mode. |
| Programs | 6 programs, 12 steps. |
| Platform Size | 970x560 mm |
| Platform numbers | 2, included |
| Door numbers | Double doors |
| Volumn | 582L |
| Internal Dimension | 1095x625x850mm |
| Electricity | 220-240V 50/60Hz |
| Motor Power | 1420W |
| Net/Gross Weight | 456/536Kg |
| External Dimension | 1200x820x1600mm |
| Approval | CE, ISO |

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Accessories

A wide selection of accessories such as green sticky mat, test tube racks, flask clamps, spring coil racks can be ordered separately upon request.



sticky mat, size 20x20cm.



Standard Erlenmeyer Flask Clamps:

- 50ml
- 100ml
- 250ml
- 500ml
- 750ml
- 1000ml
- 2000ml
- 3000ml
- 5000ml

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