

# Economic Benchtop Shaking Incubators



ZWY-103B



ZWY-100H



ZWY-240

## Description:

The benchtop orbital shaking incubators provided by LABWIT offer for small to medium capacity conditions of time, temperature and orbital agitation for the growth of biological organisms. These microprocessor controlled shakers have a number of advanced features that are really unique in bench top models, such as cooling capacity, stepless shaking diameter adjustment.

LABWIT shaking incubators are lab workhorses and provide "set and forget" programmable operating conditions and precise temperature performance for a variety of molecular biology techniques. The inner chamber is clearly visible from all angles across the room. The audible and visual alarms will alert the operator for set point deviations. The refrigerated models use CFC-free refrigerant, ozone layer friendly.

## Features:

- Various chamber sizes available from 34L, 63L to 69L
- Smooth and easy to clean design with tempered observation glass window.
- Inner chamber and tray from electro polished stainless steel.
- Special low noise induction motor system enables high rotation speed up to 400rpm or 600rpm.
- Patented driver system allows stroke continuous adjustment from 1 to 50 mm.
- The combination of high speed and small diameter make ZWY-103D, ZWY-100D & ZWY-200D suitable for many applications involving microtitre plates.
- AC inductive motor, brushless and maintenance free.
- Microprocessor control with large LCD screen, showing set and actual parameters.
- Password protection against unauthorized change of parameters.
- Audible and visual alarms on over temperature and motor overheating.
- Soft start and smooth acceleration after lid opening.
- Timer up to 500 hours and continuous mode.
- Predrilled standard tray included, without clamps.



Stepless Shaking Diameter Adjustment



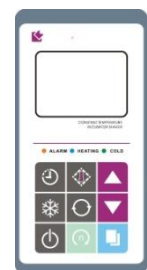
Quality #304 Stainless Steel Inner Chamber



Forced Air Convection Delivers Excellent Temperature Uniformity



Pneumatic rod ensure smooth lid operation



LCD Control Panel

## Specifications:

Model	ZWY-103B	ZWY-103D	ZWY-100H	ZWY-100D	ZWF-100	ZWF-200	ZWY-240	ZWY-200D
Volume (L)	34	34	63	63	63	69	69	69
Shaking Speed (rpm)	30-400	30-600	30-400	30-600	30-240	30-240	30-400	30-600
Stroke (mm)	Ø24,32,38, 50	Ø1-50 Stepless Adjustment			40		Ø1-50 Stepless Adjustment	
Shaking Mode	Orbital	Orbital	Orbital	Orbital	Reciprocal	Reciprocal	Orbital	Orbital
Tray (mm) (WxD)	280x220	280x220	340x370	340x370	346x400	435x420	400x370	400x370
Temperature Range	A+ 5 °C to 60°C					4°C to 60°C		
Temperature Accuracy	± 0.1°C.							
Temperature Uniformity	≤ ± 1°C@37°C							
Timer	1 minute to 500 hours							
Inner Dimensions (mm) (WxDxH)	340x300x175		410x440x295			490x470x320		
Exterior Dimensions (mm) (WxDxH)	440x410x400		600x580x520			730x740x560		
Packing Dimensions (mm) (WxDxH)	510x480x560		670x650x680			800x810x720		
Net / Gross Weight (kg)	31/54	31/54	72/94	72/94	72/94	100/132	100/132	100/132
Power (W)	280	280	550	550	550	700	700	700
Electricity	220-240V 50/60 Hz							
Approval	CE, ISO							

Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml
ZWY-103B/103D	9	9	5	-	-	-
ZWY-100H/100D, ZWF-100	18	18	10	9	5	4
ZWY-240/200D	23	23	12	9	7	5
ZWF-200	25	25	15	10	9	5



T Clamps

## Ordering Information:

Part NO.	Description	Part NO.	Description
ZWY-103B	ZWY-103B, 34L, Economic Orbital Shaking Incubator A+5-60, 30-400rpm	P7003	Universal Tray for ZWYR-240/200D, ZWY-240/200D
ZWY-103D	ZWY-103D, 34L, Economic Orbital Shaking Incubator A+5-60, 30-600rpm	P7004	Universal Tray for ZWF-100
ZWY-100H	ZWY-100H, 63L, Economic Orbital Shaking Incubator A+5-60, 30-400rpm	P7005	Universal Tray for ZWFR-200, ZWF-200
ZWY-100D	ZWY-100D, 63L, Economic Orbital Shaking Incubator A+5-60, 30-600rpm	P8001	T Clamp, S/S, for 50ml Flask, with Spring Retainer
ZWY-240	ZWY-240, 69L, Economic Orbital Shaking Incubator 4-60, 30-400rpm	P8002	T Clamp, S/S, for 100ml Flask, with Spring Retainer
ZWY-200D	ZWY-200D, 69L, Economic Orbital Shaking Incubator 4-60, 30-600rpm	P8013	T Clamp, S/S, for 150ml Flask, with Spring Retainer
ZWF-100	ZWF-100, 63L, Economic Reciprocal Shaking Incubator, A+5-60, 30-240rpm	P8003	T Clamp, S/S, for 250ml Flask, with Spring Retainer
ZWF-200	ZWF-200, 69L, Economic Reciprocal Shaking Incubator, 4+60, 30-240rpm	P8014	T Clamp, S/S, for 300ml Flask, with Spring Retainer
P6001	Tray for ZWY-103B/D, S/S※	P8004	T Clamp, Spring S/S, for 500ml Flask, with Spring Retainer
P6002	Tray for ZWY-100H/100D, S/S	P8005	T Clamp, S/S, for 750ml Flask, with Spring Retainer
P6003	Tray for ZWF-100, S/S	P8006	T Clamp, S/S, for 1000ml Flask, with Spring Retainer
P6004	Tray for ZWYR-240/200D, ZWY-240/200D, S/S*	P8010	Tube Rack S/S
P6005	Tray for ZWFR-200, ZWF-200, S/S	P8011	Tube Rack ABS Plastic
P7001	Universal Tray for ZWY-103B/103D	P8012	Clamp for 96 Well Plate, S/S
P7002	Universal Tray for ZWY-100H/100D	P8017	Sticky Mat, 20 x 20cm

※ S/S: Stainless Steel

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