

# Economic Horizontal Shaking Incubators



ZWY-211B



ZWY-211C

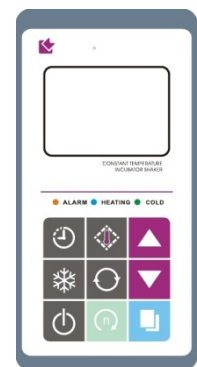
## Description:

These economic horizontal floor shaking incubators are specially developed for the modern biological engineering departments; huge capacity for various sizes of flasks, up to 5L.

LABWIT offers both orbital and reciprocal models, with and without refrigeration to be used in almost all laboratories. All models have large glass viewing windows and gas spring transmission for smooth and convenient lid opening. Temperature uniformity – through a fan driven high velocity circulation system, is  $\pm 1.0^{\circ}\text{C}@37^{\circ}\text{C}$ , while the temperature accuracy is  $0.1^{\circ}\text{C}$ . All models are equipped with an electronic timer up to 500 hours. Heavy duty triple counterbalanced drive system provides a shaking range that can handle virtually any culturing task.

## Features:

- Various chamber sizes available from 170L, 260L to 300L
- Microprocessor controller with audible and visual alarms maintain precise temperature and speed.
- CFC-free refrigerant which causes no damage to ozone layer.(Applies on ZWY/F-2XX models)
- Large double-fold tempered glass window and fluorescent light, provide complete visibility of chamber interior.
- LCD display presents all actual and preset parameters.
- Electronic timer, from 0 – 500 hours, automatic stop, audio/ visual alarm.
- Password protection against unauthorized change of parameters.
- Audible and visual alarms for motor temperature and set point deviations.
- Non-volatile memory for set point retention after power interruption.
- “Long-Life” brushless AC motor creates smooth, quiet and uniformed shaking motion.
- Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature setpoints.
- Mirror-finished high quality #304 stainless steel for excellent durability of interiors.
- Units delivered with standard stainless steel tray, clamps excluded.
- High capacity for up to 5L flasks (except ZWY-111B/211B, ZWF-111/211)
- **New** UV light reduces the air burden, keeping the chamber contamination free.



LCD  
Control Panel



Forced Air Convection Deliver Excellent Temperature Uniformity



Stainless Steel Inner Chamber with Covered Corners Ensures Easy Cleaning

*Advanced Solutions for Scientific Discovery!*

## Specifications:

Model	ZWY-111B	ZWY-211B	ZWY-111C	ZWY-211C	ZWF-111	ZWF- 211
Volume (L)	170		260		300	
Shaking Mode	Orbital		Orbital		Reciprocal	
Stroke (mm)	Ø26		Ø26		Ø1-50mm Stepless Adjustment	
Temperature Range(°C)	A+5 to 60	4 to 60	A+5 to 60	4 to 60	A+5 to 60	4 to 60
Temperature Accuracy	±0.1°C					
Temperature Uniformity	≤±1°C@37°C					
Shaking Speed (rpm)	30-300		30-300		30-240	
Tray Dimension (mm)	920x500		920x500		896x530	
Inner Dimensions (mm) (WxDxH)	975x565x305		975x565x465		975x565x465	
Exterior Dimensions (mm) (WxDxH)	1200x740x820		1230x730x1065		1230x730x1065	
Packing Dimensions (mm) (WxDxH)	1270x810x980		1300x860x1230		1300x800x1225	
Net/Gross Weight (kg)	159/200	174/214	168/213	183/228	201/280	213/290
Power (W)	800	1050	950	1150	950	1150
Electricity	220-240V 50/60 Hz					
Approval	CE, ISO					

Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml	P8010	P8012
ZWY-111B/211B	64	64	40	28	23	15	-	-	-	10	28
ZWY-111C/211C	64	64	40	28	23	15	11	8	6	10	28
ZWF-111/211	66	66	45	28	24	15	11	8	-	10	28

## Ordering Information:

Part NO.	Description	Part NO.	Description
ZWY-111B	ZWY-111B, 170L, Economic Horizontal Shaking Incubator A+5-60, 30-300rpm	P8013	T Clamp, S/S, for 150ml Flask, with Spring Retainer
ZWY-211B	ZWY-211B, 170L, Economic Horizontal Shaking Incubator 4-60, 30-300rpm	P8003	T Clamp, S/S, for 250ml Flask, with Spring Retainer
ZWY-111C	ZWY-111C, 260L, Economic Horizontal Shaking Incubator A+5-60, 30-300rpm	P8014	T Clamp, S/S, for 300ml Flask, with Spring Retainer
ZWY-211C	ZWY-211C, 260L, Economic Horizontal Shaking Incubator 4-60, 30-300rpm	P8004	T Clamp, S/S, for 500ml Flask, with Spring Retainer
ZWF-111	ZWF-111, 300L, Economic Reciprocal Horizontal Shaking Incubator A+5-60, 30-240rpm	P8005	T Clamp, S/S, for 750ml Flask, with Spring Retainer
ZWF-211	ZWF-211, 300L, Economic Reciprocal Horizontal Shaking Incubator 4-60, 30-240rpm	P8006	T Clamp, S/S, for 1000ml Flask, with Spring Retainer
P6006	Tray for ZWY-111B/211B/111C/211C/ZWYR-211C, S/S ✘	P8007	T Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer
P6008	Tray for ZWF-111/211/ZWFR-211, S/S	P8008	T Clamp, Spring S/S, for 3000ml Flask, with Spring Retainer
P7007	Universal Tray for ZWY-111B/211B/111C/211C/ZWYR-211C, Full Pcs	P8009	T Clamp, Spring S/S, for 5000ml Flask, with Spring Retainer
P7009	Universal Tray for ZWF-111/211, ZWFR-211, Full Pcs	P8010	Tube Rack S/S
P7022	Universal Tray for All Horizontal Model, 1/2 Pcs	P8011	Tube Rack ABS Plastic
P8001	T Clamp, S/S, for 50ml Flask, with Spring Retainer	P8012	Clamp for 96 Well Micro Plate, S/S
P8002	T Clamp, S/S, for 100ml Flask, with Spring Retainer	P8017	Sticky Mat, 20 x 20cm

✘ S/S: Stainless Steel

Labwit quality assurance program demands the continuous assessment and improvement of all Labwit products. Information in this leaflet could thus change without notification and does not constitute a product specification. Please contact Labwit or their representatives if you require more details