Premium Horizontal Shaking Incubators

LABWIT®

ZWYR-211D

ZWFR-211

Description:

These new premium horizontal floor shaking incubators are developed for the modern biological engineering departments; large capacity of smaller size flasks, or for large volume flasks up to of 5L. The units are widely used in applications of germ culture, fermentation, hybridization, biochemical research, enzyme and cellular tissues.

Touch Screen

Forced Air Convection

Features:

- 4.3'' LCD 480x272 touch screen panel clearly indicates all parameters in one page display and makes it easy to change the operating parameters settings, even those multi set points under programmable mode intuitively.
- P.I.D microprocessor controller provides unmatched versatility by enable users to create personalized program (with up to 9 segments, with cycling) to automate changes to function parameters.
- Large double fold tempered glass window and fluorescent light provide complete visibility of chamber interior.
- ZWYR-211D is equipped with foot pedal for lid opening even when carrying full loads in both hands.
- Inner chamber with coved corners of high graded #304 electro polished stainless steel features excellent durability as well as ease of cleaning
- Robust triple eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation with high shaking speed up to 300rpm.
- Quality brushless AC inductive motor supports reliable, quiet and smooth shaking movements up to top speed.
- Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature setpoints.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit after power is restored.
- Audible and visual alarms on over temperature and motor overheating, and automatically cut off the power.
- Soft start and smooth acceleration when lid is closed after short opens.
- For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site.
- Timer up to 9999 mins under fixed value control mode.
- Predrilled standard tray included, without clamps.
- New UV light reduces the air burden, keeping the chamber contamination free.

Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml	P8010	P8012
ZWYR-211C	116	82	42	33	24	18	14	10	6	10	28
ZWYR-211D	131	92	52	38	26	24	15	11	8	12	32
ZWFR-211	111	84	43	33	24	20	13	8	6	9	31

Specifications:

Model	ZWYR-211C	ZWYR-211D	ZWFR-211
Control	P.I.D Microprocessor		
Control Mode	Fix Value or Program (up to 9 Segments)		
Control Panel	4.3'' LCD Touch Screen		
Lid Opening Mode	Hand Hold	Foot Pedal	Hand Hold
Volume (L)	260	300	300
Working Temperature(℃)	10-35		
Shaking Speed (rpm)	30-300		30-240
Stroke (mm)	Ø26		1-50 Stepless Adjustment
Shaking Mode	Orbital		Reciprocal
Tray (mm) (WxD)	920x500	940x584	896x530
Temperature Range (℃)	Ambient-20 to 60°C (Min. 4°C)		
Temperature Accuracy (℃)	0.1°C		
Temperature Uniformity (℃)	±0.5°C @37°C		
Timer	0 to 9999 mins		
Inner Dimensions (mm) (WxDxH)	975x565x465	1040x655x465	975x565x465
Exterior Dimensions (mm) (WxDxH)	1230x730x1065	1290x820x1065	1230x730x1065
Packing Dimensions (mm) (WxDxH)	1310x860x1230	1370x960x1230	1310x860x1230
Net/Gross Weight (kg)	255/308	263/325	290/354
Power (W)	1150	1800	1150
Electricity	220-240V 50/60 Hz		
Approval	CE, ISO		
Security	Over-temperature Protection, Compressor Overload Protection, Electrical Leakage Protection		
Additional	Built-in Printer, RS485 Interface Kit (Option)		

Ordering Information:

Part NO.	Description	Part NO.	Description
ZWYR-211C	ZWYR-211C, 260L, Premium Horizontal Shaking Incubator 4-60, 30-300rpm	P8013	T Clamp, S/S, for 150ml Flask, with Spring Retainer
ZWYR-211D	ZWYR-211D, 300L, Premium Horizontal Shaking Incubator 4-60, 30-300rpm	P8003	T Clamp, S/S, for 250ml Flask, with Spring Retainer
ZWFR-211	ZWFR-211, 300L, Premium Reciprocal Horizontal Shaking Incubator 4-60, 30-240rpm	P8014	T Clamp, S/S, for 300ml Flask, with Spring Retainer
P5016	RS-485 Interface	P8004	T Clamp, S/S, for 500ml Flask, with Spring Retainer
P6006	Tray for ZWY-111B/211B/111C/211C/ZWYR-211C, S/S ※	P8005	T Clamp, S/S, for 750ml Flask, with Spring Retainer
P6007	Tray for ZWYR-211D, S/S	P8006	T Clamp, S/S, for 1000ml Flask, with Spring Retainer
P6008	Tray for ZWF-111/211/ZWFR-211, S/S	P8007	T Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer
P7007	Universal Tray for ZWY-111B/211B/111C/211C/ZWYR-211C, Ful Pcs	P8008	T Clamp, Spring S/S, for 3000ml Flask, with Spring Retainer
P7008	Universal Tray for ZWYR-211D, Ful Pcs	P8009	T Clamp, Spring S/S, for 5000ml Flask, with Spring Retainer
P7009	Universal Tray for ZWF-111/211, ZWFR-211, Ful 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 Plate, S/S
P8002	T Clamp, S/S, for 100ml Flask, with Spring Retainer	P8017	Sticky Mat, 20 x 20cm

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