

MODEL NO.: YSI-451

YSI ORBITAL SHAKER INCUBATOR

Integrated Microprocessor Digital PID Controller provides temperature, shaking speed, timer and safety at once. Equipped with timer, alarm in built temperature calibration. Temperature and shaking can be controlled together or independently with wait - off timer Temperature from +10°C to 60°C with $\pm 0.5^\circ\text{C}$ at 25°C accuracy

Salient Features :

- Accommodates both shaking platform and static shelf together for shaking incubation and general incubation.
- Transparent double layer tempered safety glass window for sample observation during operation without opening the door.
- Built-in working lamp.
- Shaking motion automatically cut-off to protect user from moving parts when door open.
- Slow start and stop motion control provides smooth operation and prevent shock.
- Spring rack holds various shape of containers.
- Volume adjustable Flask Holder made by polycarbonate plastic.

Technical Specifications :

Chamber Volume
(Capacity) : 165L
Temperature :
Heating Type : Forced Convection
Range : 10°C—60°C/w Cooling System
Accuracy : $\pm 0.5^\circ\text{C}$ at 25°C
Uniformity : $\pm 0.5^\circ\text{C}$ at 25°C
Illumination : None Fluorescent Lamp 20W x 2EA
Shaking :
Speed /Stroke : 60~300RPM/20mm Orbital Motion
Control :
Main Controller : Digital PID Controller with Timer, Auto-Tuning, Calibration Function
Wait of Timer : mm:ss/hh:mm/Continuous Selectable
Sensor : PT100
Safety Device :
Temperature Safety : Hydraulic Over Temperature Protection Device
Electrical : Electrical Leakage Breaker
Dimensions :
Chamber : 530mm(W)x530mm(D) x 590mm(H)
Platform : 500mm (W) x 495mm (D)



Material :
Internal : Stainless Steel Polished (SUS304)
External : CR Steel with Epoxy Powder Coating.
Door : Self Weight Balanced Door with Transparent Tempered Safety Glass Window.
Utility:
Lamp : 25 Watt Crypton Working Lamp in Chamber.

Optional Accessories :

- Flask Holder Size Adjustable from 50-100ml Min. 25 Max. 45 EA
- Flask Holder Size Adjustable from 200-300 ml x16 EA
- Flask Holder Size Adjustable from 500ml x 16 EA or 1000 ml x5 EA
- Spring Rack 500 x495 x140 mm
- Test Tube Holder Dia. 16mm x 30 Holes 100 x 185 x 208mm
- Test Tube Holder Dia. 25 mm x 18 Holes 100 x 185 x 208 mm
- PVC Coated Static Wire Shelf 500 x 510 mm