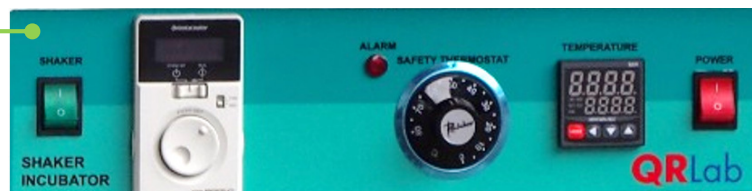




INS-50 / INS-100



Applications

Shaker Incubator can be considered a mix of an incubator and a shaker. It has an ability to shake while maintaining optimal conditions for incubating microbes or DNA replications. This equipment is very useful since, in order for a cell to grow, it needs oxygen and nutrients that require shaking so that they can be distributed evenly around the culture.

Features

- Body construction: Stainless Steel interior, Powder coated mild steel exterior
- Temperature range: Ambient +5°C to 60°C
- Safety feature: High-limit temperature cut-off thermostat with Alarm Indicator light
- Digital PID controller for temperature uniformity and fluctuation of less than 0.5°C
- Back-up memory system protects the preset temperature value during power failure
- Automatic diagnostic system identified and automatically adjust if controller error occurred
- Internal Offset function available for calibration purpose
- Provide smooth, stable, low noise with 25mm circular motion
- Digital microprocessor speed controller for high accuracy speed control
- Digital microprocessor speed controller with slow start function during initial start-up to avoid spillage
- Compact, high-power, and high-efficiency brushless motor
- Double-wall design with rockwool insulation for excellent heat retention
- Supplied with adjustable stainless steel shelves
- Shielded heating element is vertically mounted avoiding any accidental spills of samples
- Built-in circuit breaker
- Standard supplied: 1 unit platform with 250ml flask clamps & 1 unit stainless steel shelf

Specification

Model	INS-50	INS-100
Capacity	50 Litres	100 Litres
Cabinets construction (Interior)	Stainless Steel	
Cabinets construction (Exterior)	Powder coated mild steel	
Working Temp. range	5°C above ambient to 60°C	
Temperature Uniformity	±0.1°C	
Temp. setting & display	Digital display up to 0.1°C	
Temperature Controller	Digital PID Controller	
Safety devices	Protected with high-limit temperature cut-off thermostat	
Shaker speed	15 – 250 rpm	
Shaker accuracy	±1.0 rpm	
Motor	DC Motor-Brushless, Gearless	
Speed indicator	Digital speedometer display to ±1.0 rpm	
Orbital motion	25 mm circle	
Standard Shelves	1 unit stainless steel shelf	
Shelves Size (mm)	325W x 305D x 10H	470W x 390D x 10H
Platform dimensions (mm)	352W x 295D	405W x 350D
Exterior dimensions (mm)	535W x 545D x 805H	672W x 660D x 825H
Interior dimensions (mm)	335W x 340D x 450H	475W x 420D x 475H
Heater Power	300 watts	300 watts
Power supply	240VAC, 50 Hz, 1.5A	
Weight	40 Kg	65 Kg

Optional: 6-hour timer / Programmable controller / Audible and Visual alarm