

# QRLab Shaking Incubators



Model: INS-100



Controller

## Features

- Digital PID controller with uniformity of temperature fluctuation less than  $\pm 0.5^{\circ}\text{C}$ .
- Setting and actual temperature are operate with LED digital display to  $0.1^{\circ}\text{C}$ .
- Auto diagnostic system ensure the rapid identification and correction if any faulty occur.
- Off-set function is available for ISO or calibration purpose.
- Over-temperature are protected with Hi-Limits thermostat which is a safety devices.
- Memory back-up system protect the set point value after power failure occurred.
- Electronic control slow start prevent sample spillage when shaker resume shaking from power failure.
- Shaking speed are control by digital speedometer display to  $\pm 1.0$  rpm.
- One standard platform with 250ml flask clamps and one piece of shelf are supplied as standard.

## SPECIFICATIONS

Model	INS-50	INS-100
Capacity	50 Litres	100 Litres
Cabinets construction (Interior)	Stainless Steel	
Cabinets construction (Exterior)	Epoxy coated mild steel	
Working Temp. range	$5^{\circ}\text{C}$ above ambient to $60^{\circ}\text{C}$	
Temperature Accuracy	$\pm 0.1^{\circ}\text{C}$	
Temp. setting & display	Digital display up to $0.1^{\circ}\text{C}$	
Temperature Controller	Digital PID Controller	
Heater	300W Nichrome heating element	
Safety devices	Over temperature protection	
Shaking speed	15 - 250 rpm	
Shaking accuracy	$\pm 1.0$ rpm	
Motor	DC Motor-Brushless, Gearless	
Speed indicator	Digital speedometer display to $\pm 0.1$ rpm	
Orbital motion	25.4 mm circle	
Shelves	1 piece shelf	
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
Power supply	240VAC, 50Hz, 1.5A	240VAC, 50Hz, 1.5A
Weight	40Kg	65Kg