PROTECH ®

Model SI-50

Features

- PID controller with auto-tuning to ensure rapid heating, minimum temperature fluctuation and overshoot.
- Push-button operation and LED screen display digitally both the set and actual temperature to ±0.1°C and can be locked.
- Auto diagnostic system integrated in the controller ensures rapid identification and correction if any fault does occur.
- Off-set function for calibration use. Important for ISO/Calibration requirement.
- Locking function of set temperature values.
- Independent Hi-temperature safety protection.
- Back-up system memory protects the set point value in case of power failure.
- Quiet long-lasting gearless and brushless induction belt-drive system.
- Digital opto-electric feedback control ensures precise and reliable speed control.
- Electronic control slow start prevent sample spillage when shaker resume shaking after power break.
- Viewing window for sample observation.
- Supplied with one standard platform with 250ml flask clamps and one shelf, two meter power cord and grounded plug.

Specifications

MODEL	SI-50	SI-100
Chamber construction	Stainless steel interior and powder paint coated mild steel exterior with rockwool insulation	
Temp. working range	5°C above ambient temperature to 60°C	
Accuracy	± 0.1°C air circulation provides optimum temperature uniformity throughout chamber	
Temperature setting	Digital	
Temperature indication	Digital temperature readout to 0.1°C	
Heater	300W nichrome heating elements	
Safety devices	Independent over temperature protection	
Shaking speed	10-260 rpm. Electronic control slow start	
Shaking accuracy	± 1 rpm	
Motor	Quiet long lasting gearless and brushless induction motor	
Speed indicator	Digital speedometer displays to ± 1 rpm	
Orbital motion	25.4 mm circle / counter balance drive system	
Shelves supplied	1 pc	
Platform dimensions (mm)	352W x 295D	400W x 380D
Chamber dimensions (mm)	390W x 355D x 450H	475W x 420D x 470H
Shelf dimensions (mm)	330W x 370D	475W x 390D
Overall dimension (mm)	535W x 550D x 810H	675W x 645D x 830H
Power source	240VAC, 50Hz, 1.5A	240VAC, 50Hz, 1.5A
Weight	40 kg	55 kg

Flask Capacities

MODEL	50cc	125cc	250cc	500cc	1000cc	2000cc
SI-50	30 pcs	20 pcs	12 pcs	6 pcs	4 pcs	2 pcs
SI-100	42 pcs	25 pcs	16 pcs	9 pcs	5 pcs	3 pcs

All specifications are subject to change without prior notice.

AMBIENT SHAKER INCUBATORS