

# Two Level Shaking Incubator

**LABEC Floor model Incubator Shakers** provide large capacity shaking for flasks up to 1 Litre. The ruggedly built drive mechanism guarantees smooth shaking with high accuracy, and adjustable starting speed to prevent splashes. A unique air duct breeze circulation system disperses air uniformly throughout the chamber, which ensures that all samples are exposed to the optimum temperature regardless of sample location.



## FEATURES:

- PID microprocessor controller maintains precise temperature and shaking speed control.
- CFC-free refrigeration for culturing cells under varied conditions of temperature.
- User-friendly sealed control panel allows easy digital setting on timer, speed and temperature.
- Large LCD display presents a menu of functional readouts on speed, temperature and timer.
- Automatic shutoff at end of study via electronic timer, adjustable from 1 minute to 500 hours.
- Automatic shutoff of shaker when lid is opened which ensures operator safety.
- Non-volatile memory retains parameters during a power interrupt and restarts shaker automatically.
- Alarms programmed to warn of set point deviations and to indicate when timer operation is expired.
- Air is uniformly dispersed throughout the chamber by a high velocity air circulation system.
- Large see-through cover provides complete visibility to the chamber interior.
- Mirror-finished stainless steel interior provides excellent durability and an easy-to-clean surface.

Serving the Scientific, Medical and Research industries since 1945

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## Two Level Shaking Incubator

Model	Vertical single door		Vertical double door			
	FSI-175	FSI-175C	FSI-335	FSI-335C	FSI-580	FSI-580C
Temperature Range	Ambient +5°C ~ 65°C	4°C ~ 65°C	Ambient +5°C ~ 65°C	4°C ~ 65°C	Ambient +5°C ~ 65°C	4°C ~ 65°C
Temperature Accuracy	±0.1					
Temperature Uniformity	±0.5 @ 37°C					
Temperature Motion	≤0.1 @ 37°C					
External Size (mm)	W700 * D580 * H1280		W950 * D700 * H1280		W1200 * D800 * H1630	
Capacity	175		335		580	
Shaking Plate Size	500 * 360		710 * 455		950 * 550	
Shaking Plate Quantity	2 Levels					
Rotary Speed Range	0 or 20-350 (Static, Forward and Reverse)				0, 20-280 (Static, Forward and Reverse)	
Rotary Accuracy (rpm)	±1					
Amplitude (mm)	Ø26 (customizable Ø35 (20~250rpm) or Ø50 (20~200rpm))					
Max Capacity Clamps	100ml*60 or 250ml*38 or 500ml*22 or 1L*6		100ml*100 or 250ml*56 or 500ml*44 or 1L*24		250ml*90 or 500ml*72 or 1L*42	
Max Capacity on Sticky Mat	100ml*60 or 250ml*38 or 500ml*24 or 1L*6		100ml*120 or 250ml*70 or 500ml*44 or 1L*24		250ml*112 or 500ml*76 or 1L*42	
Standard Configuration	250ml*24		250ml*28 500ml*22		250ml*45 500ml*36	
Timer Range	0~9999 minutes					
Power (W)	600	850	900	1150	1100	1400
Power Supply	AC240V / 10 Amp					
Ambient Temperature Range	5°C to 30°C					
Control Mode	PID Intelligent Microprocessor					
Cycle Mode	Forced Convection					
Shaking Mode	Orbital					
Display	LCD Display					
Drive Mode	Multidimensional Drive					
	3 Axes				4 Axes	
USB Data Download	Optional					
Control System	Standard Mode: Continuous Programmable Mode: Multi-stage temperature, speed and time control					
Optional Accessories	Temperature limit light and sound alarm, auto stop when door open, lights, ultraviolet disinfection, touch screen operation.					

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