



	Incubating Cooling Thermal Shakers	Incubating Light Duty Orbital Shaker	Incubating Light Duty Orbital Shakers
Model	ISTHBLCTS (Heat/Cool) ISTHBLHTS (Heat)	ISLD04HDG	ISLDMPHDG ISLDMPHDGL
Temperature Range	17 below ambient to 100°C / ambient +4 to 100°C	Ambient +5° to 65°C	Ambient +5° to 65°C
Speed Range	300 to 3000 rpm	100 to 1200 rpm	100 to 1200 rpm
Timer	1 minute to 99 hours, 59 min	1 second to 160 hours	1 second to 160 hours
Motion	Orbital	Orbital	Orbital
Orbit	3 mm	3 mm	3 mm
Max Weight Capacity	1 Block	8 lbs	4 Microplates / 2 Micro-Tube Racks
Audible Alarm	•	•	•
Load Sensor	•	—	—
Drive System	—	Triple Eccentric	Triple Eccentric
Motor Type	Brushless DC Motor	Brushless DC Motor	Brushless DC Motor
Set-Point Retention	• Displays Last Setting	• Displays Last Setting	• Displays Last Setting
Restart/Power Out	•	•	•
Ramp to Speed	•	•	•
Temperature Overshoot Protection	•	—	—
Overload Protection	•	•	•
User Calibration (Temperature)	•	•	•
User Calibration (Speed)	•	—	—
Interface	USB	—	—
Overall Dimensions (L x W xH)	10.59 x 10.31 x 5.39"	17 x 11 x 10.5"	17 x 11 x 7.75"
Included Tray (L x W)	N/A	11 x 7.75"	11 x 7.75"
Platform Options (L x W)	N/A	N/A	N/A

- Yes ** Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

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	Incubating Cooling Light Duty Orbital Shaker	Incubating Rocking Shaker	Incubating Waving Shaker	Incubating Heavy Duty Orbital Shakers
Model	ISICMBCDG	ISRK04HDG	ISWV02HDG	ISHD16HDG, ISHD23HDG, ISHD23CDG
Temperature Range	10°C Below Ambient to 65°C	Ambient +5° to 65°C	Ambient +5° to 65°C	Ambient +5°C to 65°C, 15°C below ambient to 65°C (ISHD23CDG Models only)
Speed Range	100 to 1200 rpm	1 to 50 rpm	1 to 30 rpm	15 to 500 rpm
Timer	1 second to 160 hours	1 second to 160 hours	1 second to 160 hours	1 second to 160 hours
Motion	Orbital	Rocking	Waving	Orbital
Orbit	3 mm	Tilt Angle: 0 to 15° *	Tilt Angle: 0 to 20° *	19 mm
Max Weight Capacity	2 Microplates 2 Modular Blocks	10 lbs**	5 lbs**	ISHD16HDG 35 lb ISHD23HDG 50 lb ISHD23CDG 50 lb
Audible Alarm	•	•	—	•
Load Sensor	—	—	—	•
Drive System	Triple Eccentric	Cable	Cable	Triple Eccentric
Motor Type	Brushless DC Motor	Stepper Motor	Stepper Motor	Brushless DC Motor
Set-Point Retention	• Displays Last Setting	• Displays Last Setting	• Displays Last Setting	• Displays Last Setting
Restart/Power Out	•	•	—	•
Ramp to Speed	•	•	—	•
Temperature Overshoot Protection	—	—	—	•
Overload Protection	•	•	—	•
User Calibration (Temperature)	—	—	—	•
User Calibration (Speed)	—	—	—	•
Interface	—	—	—	RS-232 Interface
Overall Dimensions (L x W xH)	16.49 x 10.11 x 10.98"	17 x 11 x 10.5"	17 x 11 x 10.5"	ISHD16HDG 16.0 x 25.5 x 14.0" ISHD23HDG 23.5 x 32.1 x 26.6" ISHD23CDG 23.5 x 41.1 x 26.6"
Included Tray (L x W)	N/A	10 x 7.5"	9.25 x 7.25"	ISHD16HDG 13 x 11" ISHD23HDG 18 x 18" ISHD23CDG 18 x 18"
Platform Options (L x W)	N/A	N/A	N/A	N/A

• Yes ** Maximum speed/tilt angle may vary with heavy or unbalanced loads.
** Centered on tray.

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