

OHAUS Incubating Rocking and Waving Shakers are designed to incubate samples from 5° above ambient to 65°C to provide accurate and repeatable results. Rocking shakers provide a see-saw like motion, while waving shakers offer a smooth, low-foaming three-dimensional “wave” motion. All models feature LED displays with touchpad controls. Both models include safety features that protect both the user and samples



Manufacture: Ohaus
SKU: 30391980
Weight: 13.00 lb
Free Ground Shipping
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Features

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Applications

Hybridizations, Cell Cultures, Blotting Techniques, Staining and Destaining Gels

Display

Easy-to-read, independent LED displays for temperature, speed/tilt angle and time allow the operator to view all settings simultaneously

Operation

Detachable 3-wire cord and plug (included)

Communication

N/A

Construction

Cast aluminum housing with polycarbonate lid

Design Features

Spill-resistant design, overload protection with audio/visual alarm on digital models and audible alarm on analog models, caution hot indicator

Operating Features

- **Microprocessor Control:** The microprocessor control provides electronic tilt angle adjustment which allows user to easily adjust rocking angle from 0 to 15° while unit is operating. Precise speed control provides smooth, lowspeed rocking motion down to 1 rpm.
- **PID Temperature Controller:** Maintains precise temperature control from ambient +5°C to 65°C. Easy-to-use controls allow users to adjust temperature in 1°C increments.
- **LED Display:** Touch pad controls with easy-to-read, independent LED displays for temperature, speed and tilt angle, and time allow operator to view all settings at once. Provides repeatable and accurate results every time and is easily visible across lab benches. Timer will display elapsed time or, when programmed to user defined limit, will shut off unit when time reaches zero. Display will show last used settings, even after power has been turned off.

Safety Features

- **Overload Protection:** Audible and visual signals will activate when system detects an obstruction or overload of the tray.
- **Speed Ramping Feature:** Slowly increases speed to desired set-point to avoid splashing.
- **Audible Alarm:** In timed mode, alarm will sound when the time reaches zero. **Caution Hot Indicator:** Symbol illuminates when the temperature of the air in the chamber reaches 40°C and remains lit until temperature cools down.
- **Caution Hot Indicator:** Symbol illuminates when the temperature of the air in the chamber reaches 40°C and remains lit until temperature cools down.
- **Spill-Resistant Design:** Channels fluids away from internal components.
- **Polycarbonate Lid:** Permits viewing of samples without disturbing internal temperature.

Motion	Rocking, 0 – 15°
Capacity	10 lbs (4.5 kg)*
Temperature Range	Ambient +5°C – 65°C
Uniformity	± 0.5°C at 37°C
Tray Size	10 in x 25.4 cm x 7.75 in x 19.7 cm
Control	Digital
Dimensions (HxLxW)	10.5 in x 17 in x 11 in (26.7 cm x 43.2 cm x 27.9 cm)
Inner Dimensions (HxLxW)	3.8 in x 9.7 cm x 10.75 in x 27.3 cm x 7.75 in x 19.7 cm
Drive System	Stepper Motor
Net Weight	12.6 lb (5.7 kg)
Power	120V, 5A, 50/60Hz
Power Consumption	450 W
Safety Certification	TUV
Speed Accuracy	±1 rpm
Tilt Angle	0 – 15°

Speed Range**	1 rpm – 50 rpm
Timer	1 second – 160 hours
Tray Construction	Aluminum
Working Environment	41°F – 104°F, 80%RH, non-condensing (5°C – 40°C, 80%RH, non-condensing)

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

Specifications

	ISRK04HDG 30391980	ISWV02HDG 30391987
Shaker Type	Rocking Shaker	Waving Shaker
Control	Digital	
Motion / Tilt Angle	Rocking, 0 – 15°	Waving, 0 – 20°
Speed Range	1 – 50 rpm	1 – 30 rpm
Speed Accuracy	± 1 rpm	
Temperature Range	Ambient +5 °C – 65 °C	
Temperature Uniformity	± 0.5 °C at 37 °C	
Timer	1 second – 160 hours	
Capacity	4.5 kg	2.3 kg
Working Environment	41 °F – 104 °F, 80% RH*, non-condensing / 5 °C – 40 °C, 80% RH, non-condensing	
Drive System	Stepper Motor	
Overall Dimensions (L x W x H)	10 x 7.5 in. / 254 x 191 mm	9.25. x 7.25 in. / 235 x 184 mm
Tray Construction	Aluminum	
Overall Dimensions (L x W x H)	16.5 x 10.1 x 10.8 in. / 419 x 257 x 274 mm	
Inner Dimensions (L x W x H)	10.75 x 7.75 x 3.8 in. / 273 x 197 v 970 mm	10.75 x 7.75 x 3.4 in. / 273 x 197 x 860 mm
Net Weight	12.6 lb / 5.7 kg	13.7 lb / 6.2 kg
Power	120V, 3.74A, 50/60Hz	
Power Consumption	420 W	

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