

## **Light Duty Orbital Shakers**



## **Choose from Four Models for Light Duty Shaking**

Light Duty Shakers are designed for applications with loads under 3.6 kg. Choose from two orbit and speed ranges to optimize your sample mix. Microprocessor-controlled and available as an analog model with basic speed control, two digital models which include a non-slip mat that can be removed to mount flask clamps and tube racks directly onto the tray, and a digital Microplate Shaker model which can hold up to four microplates or two microtube racks.

#### **Standard Features:**

- Microprocessor—Controlled for Consistent Shaking Action
  The variable speed, microprocessor control provides consistent, uniform shaking action.
  The microprocessor displays the last set-point and will restart if power is interrupted (on digital models).
- Triple Eccentric Drive Provides Reliable Service and Continuous Duty Operation
  Triple eccentric drive with permanently lubricated ball bearings and maintenance-free,
  brushless DC motor provide reliable service and continuous-duty operation.
- Safety Features Include Speed Ramping and Overload Protection
  Units slowly increase speed to desired set-point to avoid splashing. Digital models feature overload protection—audible and visual signals activate when system detects an obstruction or tray overload.

# **Light Duty Orbital Shakers**

Model	SHLD0415AL	SHLD0403DG	SHLD0415DG	SHLDMP03DG
Control	Analog	Digital		
Motion	Orbital, 15 mm	Orbital, 3 mm	Orbital, 15 mm	Orbital, 3 mm
Speed Range	40 to 300 rpm	100 to 1200 rpm	40 to 300 rpm	100 to 1200 rpm
Timer	N/A	1 second to 160 hours		
Capacity		3.6 kg 4 Microplates or 2 Microtube Racks		
Working Environment	0°C to 40°C, 80% Relative Humidity, non-condensing	-10 °C to 60 °C, 80% Relative Humidity, non-condensing		
Drive System	Brushless DC Motor; Triple Eccentric			
Tray Size (L × W)		299 × 222 mm		279 × 197 mm
Tray Construction	Aluminum			
Dimensions ( $H \times L \times W$ )	108 × 413 × 260 mm			
Net Weight	10.9 kg			
Power	230V, 2.5A, 50/60Hz	230V, 5A, 50/60Hz		
Power Consumption	25 W			

## **Other Standard Features and Equipment**

Non-slip mat (299  $\times$  222 mm) included with all models except SHLDMP03DG

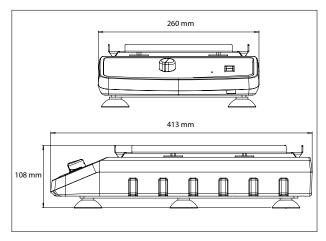
## **Compliance**

- Product Safety: EN 61010-1, EN 61010-2-051
- Electromagnetic Compatibility: EN 61326-1 Class A, Industrial Environments
- Compliance Marks: CE; RCM; TÜV SÜD

### **Accessories**

Item No.	<b>Description</b> Flask Clamp, 10 mL	Max. per Shaker		
30400084	Flask Clamp, 10 mL			
30400064	·	35		
30400085	Flask Clamp, 25 mL	20		
30400086	Flask Clamp, 50 mL	15		
30400087	Flask Clamp, 125 mL	12		
30400088	Flask Clamp, 250 mL	6		
30400089	Flask Clamp, 500 mL	4		
30400097	Flask Media Bottle Clamp. 500 mL	3		
30400099	Flask Clamp PVC 125 mL	12		
30400100	Flask Clamp PVC 250 mL	6		
30400101	Flask Clamp PVC 500 mL	4		
30400114	Microtube Rack (70 tubes per rack)	2		
30400115	Tube Rack Ø 10–13 mm (63 tubes per rack)	2		
30400116	Tube Rack Ø 14–16 mm (48 tubes per rack)	2		
30400117	Tube Rack Ø 18–20 mm (35 tubes per rack)	2		
30400118	Tube Rack Ø 22–25 mm (24 tubes per rack)	2		
30400119	Tube Rack 15 mL (35 tubes per rack)	2		
30400120	Tube Rack 50 mL (12 tubes per rack)	2		
30400121	Adjustable Platform $22 \times 30$ cm, 2 bars	1		
30400122	Roller Bar, 22 cm (for Adjustable Platform only)	Variable		
30400123	Universal Harness	1		
30400124	Dimpled Mat, 22 × 30 cm	1		
30400125	Dilution Cup Tray	1		
Accessories for SHLD0415AL				
30400124	Dimpled Mat, 22 × 30 cm	1		
Accessories for S	HLDMP03DG			
30400114	Microtube Rack (70 tubes per rack)	2		

### **Dimensions**



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The management system governing the manufacture of this product is ISO 9001:2015 certified.

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