

# LABORTOPS

valid until 30<sup>st</sup> of March 2018

**! EXTRA**  
**Mixers/Shakers**

## OHAUS Vortex Mixers VXHD and VXMP



4.659 503

4.659 504

**-5%**

Type	Description	Orbit	PK	Cat. No.	Price	Now
		mm			GBP	GBP
VXHDAL	analogue	4.9	1	4.659 503	<del>540.00</del>	<b>513.00</b>
VXMPDG	digital	3.5	1	4.659 504	<del>393.43</del>	<b>373.76</b>

Heavy-Duty Vortex Mixers feature a heavy-duty design and efficient motor to permit continuous duty operation, and the ability to handle accessory components over the entire speed range. They offer exact speed control when applications demand repeatable results. With microprocessor control. The Microplate Vortex Mixers are suitable for 2 standard microplates.

### Model VXMPDG additionally with:

Touch/Standby/On Rocker Switch, LED Displays for Speed/Time, Up/Down Buttons for Set-Point Control

### Scope of supply:

**VXHD series:** Vortex Mixer incl. cup head, Universal holder with cover and foam insert for 38 x 1.5 to 2.0 ml micro tubes

**VXMP series:** Vortex Mixer incl. cup head and Microplate holder for 1 microplate

### Specifications

Speed range	
On Modus:	300 to 2500 rpm
Touch Modus:	300 to 3500 rpm
Timer:	1 s to 160 h
Max. Load:	1.1 kg
Dimensions (L x W x H):	241 x 168 x 160 mm (VXHDAL)/ 267 x 137 x 114 mm (VXMPDG)
Weight:	6.8 kg (VXHDAL)/5.4 kg (VXMPDG)

## OHAUS Mini Vortex Mixer VXMN



Fixed high speed mixing (2500 rpm), TOUCH mode operation

### Scope of supply:

Vortexer incl. Standard attachment and attachment with 76 mm head.

### Specifications

Type of movement:	orbital
Orbit:	4.9 mm
Permissible ambient conditions:	4 bis 40 °C
Dimensions (L x W x H):	211 x 122 x 165 mm
Weight:	4.5 kg

**-5%**

Type	Description	Rotation speed rpm	PK	Cat. No.	Price	Now
					GBP	GBP
VXMNFS	fixed speed	2500	1	4.659 498	<del>165.86</del>	<b>157.57</b>

## Microplate Holder for Vortex Mixers

For	PK	Cat. No.	Price	Now
			GBP	GBP
2 standard microplate	1	4.659 897	<del>41.54</del>	<b>37.39</b>

**-10%**

OHAUS Orbital Shakers SHLD series



Light shakers up to 3.6 kg load capacity. You have the choice between two orbits and speed ranges to get an optimal sample mix. An analogue model (0415AL) with speed control and 2 digital models. For up to 4 plates or two microtube frames (except for the microplates shaker), digital models have a non-slip mat, which can be removed to mount a variety of optional flask clamps or test tube racks directly onto the tray.

- Microprocessor Control
- Triple Eccentric Drive
- Speed Ramping Feature
- Spill-Resistant Design
- Suitable for CO<sub>2</sub> environments

Digital models additionally with:

- Overload protection
- LED display for speed and time
- Audible Alarm

Specifications

Type of movement:	orbital
Max. Load:	3.6 kg
Max. Load SHLDMP03DG:	4 microplates or 2 racks for microtubes
Motor:	brushless DC motor
Timer:	1 s to 160 h (0415AL without Timer)
Dimensions (L x W x H):	413 x 254 x 102 mm
Weight:	11.3 kg

-5%

Type	Speed range	Orbit	Temp.-working range	PK	Cat. No.	Price	Now
	rpm	mm	°C			GBP	GBP
0415AL	40 - 300	15	0 ... 40	1	4.659 467	<del>609.43</del>	578.96
0415DG	40 - 300	15	-10 ... +40	1	4.659 470	<del>941.14</del>	894.08
MP03DG	100 - 1200	3	-10 ... +60	1	4.659 469	<del>636.43</del>	604.61

OHAUS Orbital Shaker SHHD



Load capacity up to 16 kg. Display shows the last setpoint and restarts automatically when the power supply is interrupted. Includes anti-slip rubber mat.

Specifications

Type of movement:	orbital
Max. Load:	16 kg
Motor:	brushless DC motor
Timer:	1 s to 160 h
Dimensions (L x W x H):	413 x 355 x 149 mm
Weight:	22.2 kg

- Microprocessor Control
- Triple Eccentric Drive
- Speed Ramping Feature
- Spill-Resistant Design
- Suitable for CO<sub>2</sub> environments
- Patented Accu-Drive Shaking System
- Touchpad Control with Independent LED Displays for speed and time
- Speed Calibration Mode
- RS232 Interface
- Load Sensor and Overload Protection
- Audible Alarm

-15%

Type	Speed range	Orbit	Temp.-working range	PK	Cat. No.	Price	Now
	rpm	mm	°C			GBP	GBP
1619DG	15 - 500	19	-10 ... +60	1	4.659 458	<del>1,540.33</del>	1,309.28

Flask Clamps, stainless steel

Incl. screws for easy attachment to platforms. Other flask clamps on request.

Volume Discount

For	PK	Cat. No.	Now
flasks			GBP
ml			
250	1	4.659 772	27.96

Universal Platform, stainless steel 304

Allows for mounting of flask clamps, test tube racks, and bottle clamps. Platform slides over top of included tray, and is tightened with adjustment screws. Please order clamps separately.

-5%

For	Width	Length	PK	Cat. No.	Price	Now
	mm	mm			GBP	GBP
Analogue/Digital 16 kg Shakers and Reciprocating Shakers	330	330	1	4.659 737	<del>177.43</del>	168.56

OHAUS Shaking Incubator ISLD, Orbital



Orbital shaker, ideal for heating and shaking numerous samples.

- LED displays for temperature, speed and time
- Timer with audible alarm
- Calibration mode for temperature
- Microprocessor Control
- PID Temperature Controller
- Triple Eccentric Drive
- LED Display
- Temperature Calibration Mode
- Overload Protection
- Speed Ramping Feature
- Audible Alarm
- Spill-Resistant Design
- Polycarbonate Lid



Specifications

Temperature range:	ambient +5 °C to 65 °C
Temperature uniformity:	±0.5 °C to 37 °C
Speed/Accuracy:	100 to 1200 rpm/±2 %
Timer:	1 s to 160 h
Orbit:	3 mm
Max. Load:	3.6 kg
Dimensions (L x W x H):	432 x 279 x 270 mm
Weight:	13.6 kg

-15%

Description	PK	Cat. No.	Price	Now
04HDG	1	4.659 471	GBP 1,743.93	GBP 1,482.34

# LABORTOPS



**EXTRA**

**Mixers/Shakers**

## OHAUS Rocking Shaker SHRK



The Rocking Shaker is ideal for cell culture and blotting applications. Supplied with non-skid rubber mat.

- Variable control for speed, tilt and time
- Low Profile Design
- Microprocessor Control
- Independent Control Knobs
- Overload Protection
- Speed Ramping Feature
- Spill-Resistant Design
- Clock timer
- Suitable for CO<sub>2</sub> environments



on request



on request

### Specifications

Type of movement:	rocking
Rocking angle:	0 to 15°
Max. Load:	7.3 kg
Motor:	Stepper Motor
Timer:	1 to 120 min
Dimensions (L x W x H):	425 x 279 x 140 mm
Weight:	7 kg

**-5%**

Type	Speed range	Temp.-working range °C	PK	Cat. No.	Price	Now
07AL1	rpm 1 - 75	-10 to +60	1	4.659 476	GBP <del>678.86</del>	GBP <b>644.92</b>