



ZHWY-334



ZHWY-304



ZHWY-344

Provided with power off recovery function, the equipment can automatically recover to run according to the originally designed programs
 Timer up to 500 hours with audio and visual alarms when complete
 DC brushless motor long life design free from maintenance
 Smooth start and stop of shaking
 Large variety of clamps available

Model	ZHWY-304	ZHWY-334	ZHWY-354	ZHWY-344
Oscillation Mode	Orbital	Reciprocating	Waving	Tilting
Speed Range	30 ~ 300	30 ~ 300	20 ~ 80	20 ~ 80
Oscillation Amp.	30 mm dia	10, 24, 30, 40	±5°C	±5°C, ±8°C, ±10°C, ±12°C
Control	PID Control			
Display	LCD display			
Max. Capacity	7.5 kg	7.5 kg	4 kg	4 kg
Tray Dims	330x350 mm			
Net Weight	25 kg	14 kg	25 kg	9 kg
Ext. Dims.	400x350x190	400x350x150	400x350x190	400x350x160
Power	AC 220V 50Hz			

Shakers, Benchtop Digital Orbital



SHO-2D
(Shown with optional flask tray)

Optimal platform rotation for intensive mixing
 High precision digital rotation speed control
 Digital timer : Max 99h 59min
 Programmable operation modes available
 Convenient setting of timer and speed using Jog Shuttle Switch
 Digital LCD display for timer, RPM and Bar Graph
 System memory for storing user settings
 Smooth start and change of shaking speed
 Shaker supplied with rubber mat platform. Flask trays are optional extra (see next page)

Model	SHO-1D	SHO-2D
Motor	Plate Type BLDC Motor	
Base Platform Size	230x230	350x350
Max Load (kg)	8	10
Amplitude of Rotation (mm)	10, 15, 20 available	20, 30, 40 available
Speed Range (mm)	30 ~ 300	
Speed Control	Programmable operation fully digital feedback control using microprocessor	
Display	Digital LCD Display of RPM timer and Power Bar Graph	
Overload Protection	Automatic stop and smooth speed change	
Dims (wxdxh mm)	250x330x150	400x480x160
Weight (kg)	14	20
Voltage	220V 50Hz	



TS 400



TS 400
Shown with flask tray



TS 400
Shown with universal tray



DSR-2800A

Well engineered medium size orbital shakers which provide smooth operation when under maximum load and speed.
The top tray of each model has multiple threaded holes to accommodate flask holders from 50ml to 1000ml.

A universal tray is available for the three models. This tray has 5cm high sides and can hold many different items by means of the stainless steel tension springs provided (see photo).

Accessories and spare parts readily available.

ORDER CODE	TS 400	TS 480	TS 600
SHAKING PLATE STYLE	Flat with anti slipmat retaining springs	Flat with multiple tapped holes for flask holders	Flat with multiple tapped holes for flask holders
SHAKING SYSTEM	Orbital		
RATE OF SHAKING	20-250 RPM		
SHAKING WIDTH	25mm		
SHAKING PLATE (WxD mm)	400x300	480x380	600x480
OUTSIDE DIMS. (WxDxH mm)	400x300x165	480x380x165	600x510x210
	240V 50Hz 1A		
WEIGHT (kg)	11	18	25

RACK ACCESSORIES - STAINLESS STEEL HOLDERS

Accessories - Universal Trays

Univ-400 Suits TS-400
Univ-480 Suits TS-480
Univ-600 Suits TS-600

ORDER CODE	TFH-50	TFH-125	TFH-250	TFH-500	TFH-1L	TFH-2L
FLASK CAPACITY	50ml	125ml	250ml	500ml	1000ml	2000ml
TS 400	35	20	12	6	4	-
TS 480	48	30	20	12	6	-
TS 600	80	48	30	20	12	-

Suitable for operation on benchtop. Painted steel case with rubber feet provide a stable unit. Platform with black rubber sheeting and spring holders provides a non slip surface for petri dishes, culture bottles, flask test tube racks, culture plates and printed well slides. Variable speed - adjust speed to obtain gentle agitation or vigorous orbital motion.

Model	DSR-2800A
Speed Range	40 ~ 240 rpm with tachometer
Max Load	500 grams
Orbit Size	20 mm
Ambient Conditions	+15°C up to 60°C
Platform Dims	280x280 mm
Overall Dims	280wx280dx150h mm
Net Weight	5.3kg
Power	220V / 50Hz