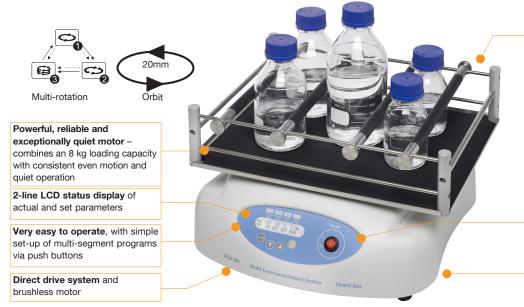
PSU-20i Multi-Functional Orbital Multi Platform Shaker

Powerful and efficient microprocessor controlled, multi-functional orbital shaker providing all that is required to mix your samples – rotation, reciprocation and vibration. This enables optimisation of the mixing whether in flasks, beakers, petri dishes or other laboratory vessels.

- Orbital motion (20 to 250 rpm), reciprocation (20 to 250 rpm) and vibration functions all in one product
- Loading capacity 8kg
- Fully programmable sequence that can use one or all the functions
- 6 interchangeable platforms for vessels up to 1000ml including a multi-level platform to hold a large number of various microplates, Petri dishes and culture bags.
- Reciprocal rotation: 0 to 360° turning angle, in 30 degree steps
- Vibration: 0 to 5° turning angle, 1 degree steps







PSU-20i fitted with PUP-330

Universal detachable platform accommodates vessels of different shapes and sizes for maximum flexibility. Please order separately. See page 9.4 for full list of accessory platforms. No tools are needed to change the platform

All mixing functions – orbital motion, reciprocation and vibration – can be set for continuous or timed operation, or be linked together in different combinations to establish optimum mixing and ensure accurately repeatable conditions for your application

Low voltage cord easily fits through door gaskets, allowing use in incubators, refrigerators and workstations. Safe and low energy consumption.

Supplied without a platform.

Applications:

 Biomedical and biopharmaceutical laboratories - cultivation of cells, extracting, dissolving slow reacting samples, extraction of mineral oil of soil, of tissue culture for analytical diagnostics, de-aeration of tested biodegradable materials and samples, rotating closed containers for dialysis, bacterial growth Shakers, mixers and stirrers » PSU-10i orbital platform shaker

PSU-10i orbital platform shaker

Microprocessor controlled shaking platform providing smooth and quiet horizontal orbital motion for mixing in bottles, flasks and beakers.

- Variable shaking speed: 50 to 450rpm
- · Reliable direct drive system
- Automatic load balancing system
- Continuous or timed operation with automatic switch-off
- 5 interchangeable platforms for vessels up to 250ml including an 88 place spring loaded platform for tubes up to 30mm diameter
- Simple to set up and easy to operate
- Loads up to 3kg







PSU-10i fitted with PUP-12 universal platform Choice of 5 interchangeable platforms to suit different types of vessels - maximum flexibility. Please order platform separately Soft start feature ensures a smooth ramp-up - avoids potential damage to vessel content Low voltage power supply **Exceptionally quiet motor** provides for safe cold room - consistent and even shaking operation and low energy consumption 2-line LCD display clearly indicates both set and actual shaking speed, plus set and Integral electronic timer with elapsed time. audible alarm and automatic switch-off - accurate repeatability Works in combination with simple of time sensitive incubations push buttons for easy set-up

*Platforms sold separately.

Applications:

- Biotechnology and microbiology micro-organism cultivation and extraction of biologically active substances
- Immunology and biochemistry agglutination and precipitation assay
- · Biochemistry washing off electrophoresis gel
- Molecular and cell biology cultivation of biological liquids

Shakers, mixers and stirrers » PSU-20i and PSU10i » Models and specifications

Shakers – models and ((all heights excl. platform)		Multi platform shaker	Shaking platform
		PSU-20i	PSU-10i
		h: 130mm d: 410mm w: 410mm weight: 11.7kg	h: 90mm d: 205mm w: 220mm weight: 3.4
Speed (depends on loading)	rpm	20 to 250	50 to 450
Orbit ø	mm	20	10
Maximum load	kg	8	3
Timer, with automatic switch-off		1 min to 96	hours
Motion timer (orbital/reciprocal modes)	sec	0 to 250	-
Motion timer (vibration mode)	sec	0 to 5	_
Display		2-line 16 chara	acter LCD
Angle (reciprocal mode)	0	0 to 360	-
Angle (vibration mode)	0	0 to 5	-
External power supply		Input AC 120-230V, 50/60Hz Output DC 12V	
nput voltage	V dc	12	
Power consumption	W	40 (3.2A)	10 (0.8A)
Operating temperature range	°C	4 to 40	0
Accessories			
P16-88 Platform with spring holders for up to 88 tubes up to 30mm diameter		-	•
P12-100			
Platform with clamps for			
12 x 100/150ml flasks/beakers.			
		-	•
Dimensions: 250 x 190mm			
BIO-PP-4			
Flat platform with non-slip rubber mat. Dimensions: 230 x 230mm		-	•
P6-250 Platform with clamps for 3 x 250-300 ml flasks/beakers.		-	•
Dimensions: 250 x 190mm PUP-12 Universal platform, with adjustable bars. Dimensions: 270 x 195mm HB-200 extra holding bars		-	•
PUP-330 Adjustable bars and two fixing levels. Dimensions: 345 x 430 x 105mm HB-330 extra holding bars		•	-
PP-20-(2/3/4 level) Flat platform with non-slip rubber mat. Dimensions: 480 x 380mm Height between levels: 140mm		•	-
P30-100 Platform with clamps for			
30 x 100-150ml flasks		•	-
P16-250 Platform with clamps for 16 x 250-300ml flasks		•	-
P 9-500 Platform with clamps for 9 x 500ml flasks	P	•	-
P6-1000 Platform with clamps for 5 x 1000ml flasks		•	-



Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.