



PSU20-i 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, reciprocation and vibration functions all in one product**
- **Reliable direct drive system**
- **Fully programmable sequence that can use one or all the functions**
- **Interchangeable platforms, including multi-level platform option**
- **Loads up to 8 kg**
- **Orbital and reciprocating speed: 20 to 250 rpm**
- **Reciprocal rotation: 30 to 360° turning angle**
- **Vibration: 0 to 5° turning angle, programmable in a burst of 0 to 5 seconds**



PSU-20i fitted with PUP-330

Universal detachable platform accommodates vessels of different shapes and sizes for maximum flexibility

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 incubator door gaskets

Powerful, reliable and exceptionally quiet motor – combines an 8 kg loading capacity with consistent even motion and quiet operation

2-line LCD status display of actual and set parameters

Very easy to operate, with simple set-up of multi-segment programs via push buttons

Optional accessory platforms for PSU-20i



PUP-330 – Universal platform with adjustable bars and two fixing levels to accommodate high and low level vessels
Dimensions: 345 x 430 x 105 mm



PP-20 – Flat platform with non-slip rubber mat to accommodate low profile containers such as Petri dishes
Dimensions: 480 x 380 mm



PP-20-(2/3/4 level) – Flat platform with non-slip rubber mat
Dimensions: 480 x 380 mm
Height between levels: 140 mm



P30-100 – Platform with clamps for 30 x 100 ml flasks



P16-250 – Platform with clamps for 16 x 250 ml flasks



P9-500 – Platform with clamps for 9 x 500 ml flasks






P6-1000 – Platform with clamps for 6 x 1000 ml flasks

Shakers, mixers and stirrers » Models and specifications

Shakers – models and specifications

- = standard
- = optional



(all heights excl. platform)

		Multi platform shaker	Shaking platform	Microplate shaker
		PSU-20i	PSU-10i	PMS-1000
				
		h: 130 mm d: 410 mm w: 410 mm	h: 90 mm d: 205 mm w: 220 mm	h: 90 mm d: 185 mm w: 175 mm
Speed	rpm	20 to 250**	50 to 450**	150 to 1000
Orbit	mm	20	10	2
Maximum load	kg	8	3	–
Capacity	2 microplates	–	–	●
	4 microplates (with optional platform MPP-4)	–	–	●
Timer, with automatic switch-off		1 min to 96 hours	1 min to 96 hours	1 min to 23 h 59 min
Motion timer (orbital/reciprocal modes)	sec	0 to 250	–	–
Motion timer (vibration mode)	sec	0 to 5	–	–
Display		2-line 16 character LCD	2-line 16 character LCD	4 digit LED
Angle (reciprocal mode)	°	0 to 360	–	–
Angle (vibration mode)	°	0 to 5	–	–
Input voltage	V dc	12	12	12
Input current	A	4.16	1	0.5
Ambient temperature range	°C		5 to 40	


Vortex mixers – models and specifications

- = standard

(all heights excl. platform)

		Personal vortex mixer	Multi vortex mixer
		PV-1	V-32
			
		h: 75 mm d: 145 mm w: 82 mm	h: 100 mm d: 180 mm w: 120 mm
Speed	rpm	750 to 3000	500 to 3000
Acceleration time	sec	–	3
Orbit	mm	2	2
Maximum tube diameter	mm	20*	16
Capacity	16 x 1.5 + 8 x 0.5 + 8 x 0.2 ml tubes, Eppendorf type	–	●
Input voltage	V dc	12	12
Input current	A	0.5	0.5
Ambient temperature range	°C		5 to 40

Stirrers – models and specifications

		Magnetic stirrer
		MMS-3000
		Mini stirrer
		
		h: 75 mm d: 230 mm w: 185 mm
Speed	rpm	0 to 3000
Stirring volume	L	2
Plate dimensions	mm	160
Input voltage	V dc	12
Input current	A	0.3

* PV-1 takes conical tubes up to 28.5 mm in diameter ** Maximum speed is dependant on loading



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.