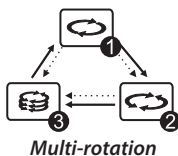


PSU-20i, Multi-functional Orbital Shaker



New!



Platform PP-20-4



PSU-20i is a new orbital shaker in the multi-functional mixing device range. Shaker **PSU-20i** differs from its ancestor Multi PSU-20 not only in a new external design but also by having a direct drive system and a brushless motor with service life up to 35 000 hours. **PSU-20i** is an ideal instrument for different biopharmaceutical and biomedical profile laboratories.

The shaker is designed for application both in small specialised laboratories and in large multi-disciplinary laboratories: a choice of nine different interchangeable platforms provides possibility of performing various procedures and techniques. Special attention should be paid to a multilevel platform, which allows accommodation of a large number of various microplates, Petri dishes, cultural bags and other low containers.

Operation of the instrument is noiseless and reliable; the shaker can provide stable continuous mixing for up to 7 days.

The device is multifunctional; it provides three motion types, which can be performed separately, pairwise and sequentially in repeated cycles. Description of the operation modes is shown in a table below.

Shaker can be used in cold rooms or incubators, operating at ambient temperature range +4°C to +40°C. Low voltage external power supply (12 V) provides electrical safety in humid environment.

Specifications:

Speed range	20–250* rpm (increment 5 rpm) * Max. speed is dependent on loading
Digital speed control	
Orbit diameter	20 mm
Digital timer	1 min–96 hrs
Maximum load	8 kg
Overall dimensions (W×D×H)	410×410×130 mm
Weight, not more	14 kg
Input current/power consumption	12V, 3.2 A / 40W
External power supply	Input AC 100-240 V 50/60Hz; Output DC 12V

Catalogue number:

PSU-20i without platform	BS-010145-ACI
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Motion types	Description	Speed range	Turning angle	Motion timer *	General operation timer (1 min step)
① Orbital	Simple orbital motion with an option of shifting direction (clockwise/anticlockwise) after set time	20–250 rpm	—	0–250 sec	1 min–96 hrs
② Reciprocal	Orbital motion with shifting direction of rotation	20–250 rpm	0°–360° (30° step)	0–250 sec	1 min–96 hrs
③ Vibrating	High speed, low amplitude motion	—	0°–5° (1° step)	0–5 sec	1 min–96 hrs

* for switching to the next motion in the cycle

Description and pictures of all platforms can be found on the next page

Platforms for PSU-20i and ES-20/60

Platform	Description	Dimensions	Working Dimensions	Used on	Cat. number
1 UP-330	Universal platform with adjustable bars for different types of flasks	345 × 430 × 105 mm	345 × 430 × 105 mm	PSU-20i	BS-010145-AK
2 P-30/100	Platform with clamps for flasks, 100–150 ml (30 places)	360 × 400 mm	360 × 400 mm	PSU-20i, ES-20/60	BS-010135-BK
3 P-16/250	Platform with clamps for flasks, 250–300 ml (16 places)	360 × 400 mm	360 × 400 mm	PSU-20i, ES-20/60	BS-010135-CK
4 P-9/500	Platform with clamps for flasks, 500 ml (9 places)	360 × 400 mm	360 × 400 mm	PSU-20i, ES-20/60	BS-010135-AK
5 P-6/1000	Platform with clamps for flasks, 1000 ml (6 places)	360 × 400 mm	360 × 400 mm	PSU-20i, ES-20/60	BS-010135-DK
6 PP-400	Flat platform with non-slip rubber mat	400 × 360 mm	400 × 360 mm	ES-20/60	BS-010135-FK
A PP-20	Flat platform with non-slip rubber mat	480 × 380 mm	465 × 365 mm	PSU-20i	BS-010126-BK
B PP-20-2	Flat platform with non-slip rubber mat (2 levels)	480 × 380 × 170 mm	465 × 365 × 170 mm	PSU-20i	BS-010126-CK
C PP-20-3	Flat platform with non-slip rubber mat (3 levels)	480 × 380 × 340 mm	465 × 365 × 340 mm	PSU-20i	BS-010126-DK
D PP-20-4	Flat platform with non-slip rubber mat (4 levels)	480 × 380 × 510 mm	465 × 365 × 510 mm	PSU-20i	BS-010126-EK

1 UP-330



5 P-6/1000



2 P-30/100



6 PP-400



3 P-16/250



D PP-20-4



4 P-9/500



C PP-20-3

B PP-20-2

A PP-20