

Grant Multi-Function 3D Rocker-Rotator (PS-M3D)

Product Code: GRNTPS-M3D

Brand: Grant Instruments

The Grant Multi-Function 3D Rocker-Rotator (PS-M3D) is a variable, speed, fixed-angle multi-function 3D rocker-rotator providing all that is required - rotation, reciprocation, and vibration - to fully optimise the mixing of different sized particles in flasks, dishes, petri dishes, and boxes.

Features:

- 3D rotation, reciprocation and vibration functions all in one product.
- **3D rotation speed:** 1 to 100rpm
- **Reciprocal 3D rotation:** 1 to 360° turning angle
- **Vibration:** 1 to 5° turning angle, programmable in a burst of 1 to 5 seconds
- Fully programmable sequence of all functions.
- Loads up to 1kg.
- Smooth, non-slip mat supplied as standard - prevents vessels from slipping.
- Compact, with a low profile and small footprint, extremely quiet in operation - fits neatly and unobtrusively into the workspace.
- Very easy to operate, with simple set-up of multi-segment programmes via push buttons and the 2-line LCD status display.
- Low voltage cord easily fits through door gaskets, allowing use in incubators, refrigerators, and workstations. Safe with low energy consumption.
- All actions - rotation, reciprocation and vibration - can be set for continuous or timed operation, or linked together in different combinations to ensure optimum mixing conditions for your application.
- Reliable stepper motor and sturdy construction will deliver years of consistent performance.
- Ambient operating temperature range of 4°C to 40°C.

Applications:

Education/clinical/research labs - suitable for mixing applications in many different fields, with specific applications including: immuno precipitations and other affinity matrix applications, treatment of adherent tissue culture in small volumes (e.g. for trypsinisation, gel staining and destaining, antibody staining, washes, hybridisations, Southern blots, Western blots, in situ



Specifications:

Speed (rpm)	1 to 100
Tilt Angle	7°
Turning Angle (reciprocation mode)	0 to 360° (increment 30°)
Rocking Angle (vibration mode)	0 to 5° (increment 1°)
Orbit Diameter (mm)	22
Timer for Orbital & Reciprocation Mode (sec.)	0 to 250
Timer for Vibration Mode (sec.)	0 to 5
Number of Cycle Repetitions	0 to 125
Maximum Continuous Operation Time	24 hrs.
Platform Dimensions (working area)	215 x 215mm
Maximum Load (kg)	1
Display	2 x 16 character LCD
Operating Temperature Range (°C)	4 to 40
External Power Supply	Input AC 120 - 230V, 50/60Hz Output DC 12V
Input Voltage (V DC)	12
Power Consumption (W)	4.6 (0.38A)

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