



Rockers and Rotators

PMR-30 and PMR-100

2D platform rockers

PS-3D and PS-M3D

3D platform rocker-rotator

Multi-function 3D rocker-rotator

PTR-25

Variable speed rotator

PTR-35 and PTR-60

Variable speed multi-function vertical rotators

Rockers and Rotators

A comprehensive range of efficient and sturdy rocking and rotating equipment for a wide range of mixing applications in life-science, cell culture, chemistry, analytical and research laboratories. Suitable for use in cold rooms and incubators.

2D platform rockers - provides precise see-saw action

3D platform rocker-rotator - designed to provide precise speeds and tilt angles

Multi-function rotators - 3D and 360° vertical rotation designed for light loads and tubes



PMR-100



PMR-30



PTR-35

PTR-25



PS-M3D



PTR-60

PS-3D



PMR-30

Platform 2D rocker - fixed tilt

Compact fixed-angle platform rocker in the Grant-bio range, providing a smooth see-saw rocking motion for gentle sample agitation in tubes, culture flasks, dishes and boxes. Suitable for use in cold rooms and incubators.

Fixed 7° tilt angle

Loads up to 1kg

Variable speed: 5 to 30 oscillations per minute

Continuous or timed operation, with automatic switch-off

Direct drive mechanism

Optional dimpled mat available - prevents different sized tubes from rolling around the platform



Ambient operating temperature range of +4°C to 40°C allows use in cold room or incubator.

Smooth, non-slip mat - prevents vessels from slipping.

Simple graduated speed setting - from 5 to 30 oscil/min.

Reliable and extremely quiet motor produces regulated and reproducible rocking through the speed range.

Compact, sturdy construction with a low profile and small footprint - fits neatly into the smallest workspace.

Simple timer setting, with large easy-to-read LED display indicating clearly the time remaining.

Select either continuous or timed operation - the integral electronic timer ensures accurate count-down for repeatability of time-sensitive incubations.

Applications

- Life-sciences - ideal for minigel destaining after electrophoresis, conducting reactions of Northern, Southern and Western blots, immunoblots, hybridisation washes, cell culture, visualisation of blots, immunostaining, protein electrophoresis.

PMR-100

Platform rocker - adjustable tilt

Large capacity, adjustable angle and speed platform rocker, providing soft or intensive see-saw rocking for optimal mixing of samples. Suitable for use in cold rooms or incubators with ambient operating temperature range +4°C to 40°C.

Tilt angle range: adjustable up to 10°

Loads up to 5kg

Variable speed: 1 to 99 oscillations per minute

Continuous or timed operation, with automatic switch-off



Applications

- Life-sciences - soft or intensive mixing of solutions or nutrient media in vessels or plastic bags placed on the platform. Northern, Southern and Western blots, incubation in immunoassays, agglutination tests. Ideal for gel destaining after electrophoresis and homogenisation of extraction media. Destaining/staining of hybridisation strips.

Grant-bio compact rockers

Technical specifications

			
		PMR-30	PMR-100
		Fixed tilt platform rocker	Adjustable tilt platform rocker
Dimensions	h x d x w mm	120 x 205 x 220	250 x 480 x 400
Operating temperature	°C	4 to 40	
Maximum load	kg	1	5
Speed	oscil/min	5 to 30	1 to 99
Fixed tilt angle	from 51-99 oscil/min	7° (fixed, 5-30 oscil/min)	10°
Tilt angle range	from 1-50 oscil/min	-	0-10° (1° increment), 10° increment at 51-99 oscil/min
Display		4 digit LED	LCD, 16 x 2 character
Maximum continuous operation time		168 hours	
Timer with automatic switch-off		1 minute to 24 hours	1 minute to 99 hours 59 minutes
Platform dimensions (working area)	mm	215 x 215	480 x 380
External power supply		Input AC 100-240V, 50/60Hz Output DC 12V	
Power consumption	W	3.8 (0.32A)	13 (1.1A)
Input voltage	V dc	12	
Weight	kg	2.1	12

Accessories

		PMR-30	PMR-100
	PDM -Dimpled mat	•	-

PS-3D

Fixed tilt 3D platform rocker

Variable speed, fixed angle 3D rocker in the Grant-bio range providing smooth orbital motion for mixing in commonly used vessels - culture flasks, dishes, boxes and tubes. Suitable for use in cold rooms and incubators.

The gentle movement is ideal for staining gels without destroying the gel edges or for keeping fragile tissue intact during incubations.

Smooth, reliable and extremely quiet motor - low power consumption.

Reliable and quiet motor produces regulated and reproducible rocking through the speed range.



Product highlights

- Ambient operating temperature range +4 °C to 40°C
- Fixed 7° tilt angle
- Loads up to 1kg
- Variable speed: 5 to 60rpm
- Optional dimpled mat available – prevents different size tubes from rolling around the platform



Compact, sturdy construction with low profile and small footprint - fits neatly into the smallest workspace.

Simple speed adjustment from 5 to 60rpm.

215 x 215mm platform accommodates most commonly used vessels.

Power cord easily fits through incubator vents - allowing use in incubators, fume hoods and workstations. Safe, with low power consumption.

Applications

- Education/research - mixing blood samples, minigel staining and destaining, washes, blotting, hybridisation.

PS-M3D

Multi-function 3D rocker-rotator

Variable speed, fixed-angle, multi-function 3D rocker-rotator providing rotation, reciprocation and vibration -to fully optimise mixing different sized particles in flasks, dishes, petri dishes and boxes.

Reciprocal 3D rotation: 1 to 360° turning angle

Loads up to 1kg

3D rotation, reciprocation and vibration functions all in one product

3D rotation speed: 1 to 100rpm

Vibration: 1 - 5° turning angle, programmable in a burst of 1 to 5 seconds

Fully programmable sequence of all functions

Optional dimpled mat available - prevents different size tubes from rolling around the platform



Ambient operating temperature range of 4 - 40°C.

Very easy to operate, with simple set-up of multi-segment programs via push buttons and the 2-line LCD status display.

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.

Compact with a low profile and small footprint, extremely quiet in operation - fits neatly in small workspaces.

Smooth, non-slip mat supplied as standard - prevents vessels from slipping.

Reliable stepper motor and sturdy construction will deliver years of consistent performance.

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

Applications

- Education/ healthcare/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.

PS-3D and PS-M3D

Technical specifications

			
		PS-3D	PS-M3D
		Fixed tilt 3D platform	Multi-function 3D
Dimensions	h x d x w mm	140 x 235 x 235	140 x 235 x 235
Operating temperature	°C	4 to 40	
Maximum load	kg	1	
Speed	oscil/min	5 to 60	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
Display		-	2 x 16 character LCD
Maximum continuous operation time		168 hours	24 hours
Timer for rotation and reciprocation mode	sec	-	0 to 250
Timer for vibration mode	sec	-	0 to 5
Platform dimensions (working area)	mm	215 x 215	
Number of cycle repetitions		-	0 to 125
External power supply		Input AC 100-240V, 50/60Hz Output DC 12V	
Power consumption	W	3.1 (0.26A)	4.6 (0.38A)
Input voltage	V dc	12	
Weight	kg	1.2	1.8

Accessories

		PS-3D	PS-M3D
	PDM -Dimpled mat		•



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