



PTR-30 and PTR-60 360° vertical multi-function rotators

Compact and efficient variable-speed, variable-angle vertical rotators providing all the functionality – vertical rotation, reciprocation and vibration – for thorough mixing of microtubes and reproducible sample preparation. All mixing functions can be linked or used separately.

Function	creates	best for mixing
360° vertical rotation	long wave motion	large particles
Reciprocation	long and medium wave motion	medium and large particles
Vibration	short wave motion	small particles

- 360°C vertical rotation, reciprocation and vibration functions all in one compact product
- Choice of two models – PTR-30 and PTR-60 with different speeds and microtube capacities
- Vertical rotation speed: 5 to 30 rpm or 5 to 60 rpm
- Reciprocal rotation: 15 to 90° turning angle
- Vibration: programmable in a burst of 1 to 5 seconds
- Fully programmable sequence of functions, including pause

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

Reliable and extremely quiet motor produces regulated and reproducible rotation throughout the speed range

Compact with a low profile and small footprint – fits neatly into the workspace



PTR30

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

Capacity of up to 22 microtubes and a maximum rotating speed of up to 30 rpm (PTR-30).

The PTR-60 has the same functionality as the PTR-30 but with a maximum rotating speed of up to 60 rpm and a tube capacity of up to 48 microtubes



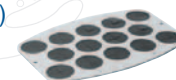
Suitable for 360° vertical mixing applications including immuno precipitations and other affinity matrix applications, prevention of blood coagulation, latex diagnostics.

Accessory options for PTR-30

- PRS4-12 – platform for 4 tubes up to Ø 30 mm (e.g. 50 ml centrifuge tubes) plus 12 tubes up to Ø 15 mm (e.g. 1.5 ml, 2.0 ml, 15 ml tubes)


Accessory options for PTR-60

- PRS8-26 – platform for 8 tubes up to Ø 30 mm plus 24 tubes up to Ø 15 mm (e.g. 1.5 ml, 2.0 ml, 15 ml tubes)
- PRS-14 – platform for 14 tubes up to Ø 30 mm (e.g. 50 ml centrifuge tubes)




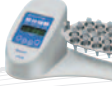

Grant bio compact rockers and rotators – models and specifications

● = optional

		PMR-30	PS-3D
		Fixed tilt platform rocker	Fixed tilt 3D platform rotator
		 h: 110 mm d: 185 mm w: 175 mm	 h: 100 mm d: 150 mm w: 85 mm
Speed	rpm	7.5 to 30	15 to 30
Tilt angle	°	7	7
Timer, with automatic switch-off		1 min to 24 hours	–
Platform dimensions (working area)	mm	215 x 215	200 x 200
Maximum load	kg	0.5	0.5
Display		4 digit LED	–
Ambient temperature range	°C	4 to 40	4 to 40
Input voltage	V dc	12	12
Input current	A	0.5	0.5
Accessories			
PTP-26 tube adaptor for 26 tubes up to Ø 11mm		●	●
PDM dimpled mat		●	●

Grant bio multi-function rotators – models and specifications

● = optional

		PS-M3D	PTR-30	PTR-60
		Multi-function 3D rotator	360° vertical multi-function rotators	
		 h: 125 mm d: 170 mm w: 225 mm	 h: 175 mm d: 125 mm w: 310 mm	 h: 230 mm d: 230 mm w: 420 mm
Speed	rpm	5 to 30	5 to 30	5 to 60
Turning angle (reciprocal mode)	°	1 to 360	15 to 90	15 to 90
Turning angle (vibration mode)	°	1 to 6	1 to 5	1 to 5
Tilt angle	°	7	–	–
Orbit diameter	mm	22	–	–
Timer, with automatic switch-off		–	1 min to 24 hours	1 min to 24 hours
Timer (orbital/360° vertical or reciprocal mode)	sec	1 to 250	1 to 250	1 to 250
Timer (vibration mode)	sec	1 to 5	1 to 5	1 to 5
Pause	sec	–	1 to 5	1 to 5
Number of cycles		1 to 125	1 to 125	1 to 125
Platform dimensions (working area)	mm	215 x 215	–	–
Microtube capacity	Ø 15mm max	–	22	48
Maximum load	kg	1.0	1.0	1.5
Display		2 x 16 character LCD	2 x 16 character LCD	2 x 16 character LCD
Ambient temperature range	°C	4 to 40	4 to 40	4 to 40
Input voltage	V dc	12	12	–
	V ac	–	–	220-240 (50-60 Hz)
Input current	A	0.5	0.5	0.3
Accessories				
PTP-26 tube adaptor for 26 tubes up to Ø 11 mm		●	–	–
PDM dimpled mat		●	–	–
PRS4-12 platform for 4 tubes up to Ø 30 mm plus 12 tubes up to Ø 15 mm		–	●	–
PRS8-26 platform for 8 tubes up to Ø 30 mm plus 24 tubes up to Ø 15 mm		–	–	●
PRS-14 platform for 14 tubes up to Ø 30 mm		–	–	●



Thank you for reading this data sheet.

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