



PTR-35 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	action	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 with different tube capacities**
- **Vertical rotation speed: 10 to 100 rpm**
- **Reciprocal rotation: 1 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

Low voltage cord easily fits through incubator door gaskets



PTR-35

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

Supplied with platform accommodating up to 26 microtubes. Maximum rotating speed of up to 100 rpm

The **PTR-60** has the same functionality as the PTR-35 and is supplied with platform accommodating 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-35

- **PRSC-10** – for 10 tubes up to Ø 30 mm, tube volumes up to 50 ml
- **PRS-5/12** – combined platform for 5 tubes up to Ø 30 mm and 12 tubes up to Ø 15 mm, tube volumes 50 ml/1.5-15 ml
- **PRSC-22** – for 22 tubes up to Ø 15 mm, tube volumes up to 1.5 ml
- **PRS-10** – for 10 tubes up to Ø 30 mm, tube volumes up to 50 ml



Accessory options for PTR-60

- **PRS8-22** – platform for 8 tubes up to Ø 30 mm plus 22 tubes up to Ø 15 mm, tube volumes up to 50 ml/1.5-15 ml
- **PRS-14** – platform for 14 tubes up to Ø 30 mm, tube volumes up to 50 ml
- **PRS-48** – replacement platform for 48 tubes up to Ø 15 mm, tube volumes 1.5-15 ml

Rockers and rotators »

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	10 to 30
Tilt angle	°	7	7
Timer, with automatic switch-off		1 min to 24 hours	–
Platform dimensions (working area)	mm	210 x 210	210 x 210
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 11 mm	●	●
PDM – dimpled mat	●	●

Grant bio multi-function rotators – models and specifications

● = optional

		PS-M3D	PTR-35	PTR-60
		Multi-function 3D rotator	360° vertical multi-function rotators	
		 h: 125 mm d: 170 mm w: 225 mm	 h: 195 mm d: 155 mm w: 365 mm	 h: 230 mm d: 230 mm w: 420 mm
Speed	rpm	5 to 30	10 to 100	
Turning angle (reciprocal mode)	°	1 to 360	15 to 90	15 to 90
Turning angle (vibration mode)	°	1 to 5	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	–	–
Platform dimensions (working area)	mm	215 x 215	–	–
Microtube capacity	Ø 15mm max	–	26	48
Maximum load	kg	1.0	0.5	0.8
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	24
Input current	A	0.5	0.5	2.1

Accessories

PTP-26 tube adaptor for 26 tubes up to Ø 11 mm	●	–	–
PRS-22 platform for 8 tubes up to Ø 30 mm plus 22 tubes up to Ø 15 mm, tube volumes up to 50 mL/1.5-15 ml	–	–	●
PRS-14 platform for 14 tubes up to Ø 30 mm, tube volumes up to 50 ml	–	–	●
PRS-48 replacement platform for 48 tubes up to Ø 15 mm, tube volumes 1.5-15 ml	–	–	●
PDM – dimpled mat	●	–	–
PRSC-10 for 10 tubes up to Ø 30 mm, tube volumes up to 50 ml	–	●	–
PRSC-5/12 combined platform for 5 tubes up to Ø 30 mm and 12 tubes up to Ø 15 mm, tube volumes 50 ml/1.5-15 ml	–	●	–
PRSC-22 for 22 tubes up to Ø 15 mm, tube volumes up to 1.5 ml	–	●	–
PRS-10 for 10 tubes up to Ø 30 mm, tube volumes up to 50 ml	–	●	–



Thank you for reading this data sheet.

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



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