

## PTR-25 360° vertical mini rotator

Compact, economy solution with simple to use controls, providing thorough mixing of samples in tubes up to 50ml. Suitable for use in cold rooms and incubators, operating at ambient temperature range +4°C to 40°C.

- 360° vertical rotation
- Vertical rotation speed range: 5 to 30rpm
- Timer with audible alarm and automatic switch-off
- Simple to use controls



Very easy to operate with simple controls and easy to view LCD screen.

Digital timer with audible alarm, alerts when attention is required.

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

Low voltage cord easily fits through door gaskets, allowing use in incubators, refrigerators and workstations.



Platform accommodating 22 tubes (up to 15mm diameter) is included as standard. See additional accessories on page 8.10. Platform PPRS4-12 shown.

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

### Applications:

- Life-sciences - hybridisation reactions, cell growth, soft extraction, homogenisation of biological components in solution, binding reactions, washing of magnetic particles, preventing blood coagulation
- Any application requiring simple end over end rotation of tubes

## 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.

- 360° vertical rotation, reciprocation and vibration functions all in one compact product
- Choice of two models with different tube capacities
- Vertical rotation speed: 1 to 100rpm
- Reciprocal rotation: 1 to 90° turning angle
- Vibration: programmable in a burst of 1 to 5 seconds
- Fully programmable sequence of functions, including pause
- Optional extra platforms to accommodate microplates and tubes up to 50ml see page 8.10



PTR-35 model shown

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.



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 door gaskets, allowing use in incubators, refrigerators and workstations. Safe and economical running.






### Applications:

- Life-science laboratories - for hybridisation reactions, cell growth, soft extraction and homogenisation of biological components in solutions, as well as for reactions of binding and washing of magnetic particles, cell suspensions, incubations, extraction procedures, gel washing and mixing capillary blood samples.











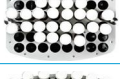

Rotators » PTR-25, PTR-35 and PTR-60 » Technical Specifications and accessories

**PTR-25, PTR-35 and PTR-60 - Technical specifications**

• = optional

		PTR-25	PTR-35	PTR-60
		360° vertical rotators	360° vertical multi-function rotators	
		 h: 155mm d: 190mm w: 325mm weight: 1.4kg	 h: 155mm d: 195mm w: 365mm weight: 1.8kg	 h: 230mm d: 230mm w: 430mm weight: 3.8kg
Speed	rpm	5 to 30	1 to 100 (increment 1rpm)	
Tilt angle (reciprocal mode)	°	–	1 to 90	
Tilt angle (vibration mode)	°	–	1 to 5	
Timer, with automatic switch-off		1 min to 24 hrs		
Timer setting range	sec	–	1 to 250	
Timer (vibration mode)	sec	–	1 to 5	
Pause	sec	–	1 to 5	
Maximum load	kg		0.5	0.8
Display		LED	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	24
Power consumption	W	1.3 (0.11A)	8 (0.66A)	18 (0.75A)

**Accessories**

PRS-22 replacement platform For 22 tubes up to ø 15mm tube volumes 1.5-15ml		•	–	–
PRSC-18 Heavy duty tube adaptor for 18 tubes ø 14-15mm		•	–	–
PPRS4-12 Holds 4 x 50ml and 12 x 1.5-15ml		•	–	–
PRSC-10 Heavy duty adaptor for 10 tubes ø 30 mm tube volumes up to 50ml		–	•	–
PRSC-22 Heavy duty adaptor for 22 tubes ø 15mm tube volumes up to 15ml		–	•	–
PRS-10 For 10 tubes up to ø 30mm tube volumes up to 50ml		–	•	–
PRS-26 replacement platform Tube adaptor for 26 tubes up to ø 15mm, 1.5 -15ml		–	•	–
PRS-5-12 Combined platform for 5 tubes up to ø 30mm and 12 tubes up to ø 15mm, tube volumes 50ml/1.5-15ml		–	•	–
PRS-1DP Platform for microplates, deep well plates and racks for tall tubes 0.5 and 1ml		–	•	–
PRS-14 Platform for 14 tubes up to ø 30mm tube volumes up to 50ml		–	–	•
PRS-48 Replacement platform for 48 tubes up to ø 15mm, tube volumes 1.5-15ml		–	–	•
PRS-8-22 Platform for 8 tubes up to ø 30mm plus 22 tubes up to ø 15mm tube volumes up to 50mL/1.5-15ml		–	–	•