

Programmable Rotators performs several motion types in one module. Microprocessor control allows performing not only ❶ **Vertical rotation** of the platform, but also ❷ **Reciprocal rotation** as well as ❸ **Vibration**. These three motion types can be performed separately, pairwise and in cycles, periodically repeating the sequence of three motion types. Multi-Rotation option of Biosan instruments substantially expands possibilities and enhances efficiency of sample preparation for the examined materials and allows adjusting the mixing procedure according to the individual tasks.

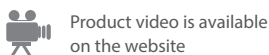
Programmable Rotators can be used for variety of applications in modern life science laboratories: for hybridization reactions, cell growing, soft extraction and homogenisation of biological components in solutions, as well as for reactions of binding and washing of magnetic particles.

Multi Bio RS-24 and **Multi RS-60** are designed for operation in cold rooms, incubators (excluding CO₂ incubators) and closed laboratory rooms at ambient temperature from +4°C to +40°C in a non-condensing atmosphere and maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C. Low voltage external power supply (12 V / 24V) provides electrical safety in humid environment.

Programmable Rotator provides 3 rotation types and Pause:

- ❶ Vertical rotation
- ❷ Reciprocal rotation
- ❸ Vibro
- P Pause

It is possible to choose the position of tubes for rocking motion - horizontal or vertical. The platform does not make an additional revolution before stopping in the horizontal plane.



Multi RS-60

Multi Bio RS-24 and Multi RS-60, rotator

SPECIFICATIONS

	Multi Bio RS-24	Multi RS-60
1 Vertical rotation:		
Speed control range	1–100 rpm (increment 1 rpm)	
Vertical rotation movement	360°	
Time setting range	0–250 sec.	
2 Reciprocal rotation:		
Speed control range	1–100 rpm (increment 1 rpm)	
Tilt angle range	1–90° (increment 1°)	
Time setting range	0–250 sec	
3 Vibro rotation:		
Tilt angle range	0–5° (increment 1°)	
Pause/Vibro time setting range	0–5 sec.	
GENERAL SPECIFICATIONS:		
Digital time setting	1 min–24 hrs/non-stop (increment 1 min)	
Maximum load	0.5 kg	0.8 kg
Overall dimensions (W×D×H)	365 × 195 × 155 mm	430 × 230 × 230 mm
Weight	1.7 kg	3.8 kg
Input current/power consumption	12 V, 660 mA/8 W	24 V, 750 mA/18 W
External power supply	Input AC 100–240 V, 50/60 Hz; Output DC 12 V	Input AC 100–240 V, 50/60 Hz; Output DC 24 V

Multi Bio RS-24 with optional platform PRSC-22 -22



Multi RS-60 with standard platform PRS-48



ORDERING INFORMATION:

Cat. number

Multi Bio RS-24 with standard platform PRS-26

BS-010117-AAG

Multi RS-60 with standard platform PRS-48

BS-010118-AAI

Optional platforms for Multi Bio RS-24:

PRS-5/12

BS-010117-HK

PRS-10

BS-010117-IK

PRSC-22

BS-010117-LK

PRSC-10

BS-010117-JK

PRS-1DP

M-8/50

BS-010149-DK

Optional platforms for Multi RS-60:

PRS-8/22

BS-010118-AK

PRS-14

BS-010118-BK

Platforms for Multi Bio RS-24

Standard:	Capacity	Tube Volume	Tube Diameter	Cat. number
1 PRS-26	26	1.5–15 ml	10–16 mm	BS-010117-GK
Optional				
2 PRS-5/12	5 and 12	up to 50 and 1.5–15 ml	20–30 and 10–16 mm	BS-010117-HK
3 PRS-10	10	up to 50 ml	20–30 mm	BS-010117-IK
4 PRSC-22	22	15 ml	16 mm	BS-010117-LK
5 PRSC-10	10	50 ml	25–30 mm	BS-010117-JK
6 M-8/50	8	50 ml	25–30 mm	BS-010117-PK
7 PRS-1DP	Platform for microplates and racks for tall tubes 0.5 and 1 ml (e.g. Thermo 3741MTX, 3742MTX, 3744MTX)			BS-010149-DK

1 PRS-26



2 PRS-5/12



3 PRS-10



4 PRSC-22



5 PRSC-10



6 M-8/50 **NEW**



7 PRS-1DP



Clamps on PRSC-10



PRS series platforms are equipped with universal rubber clamps for different size tube fixation; PRSC series platforms have metal clamps able to hold heavier solutions (e.g. soil, sand).

Platforms for Multi RS-60

Standard:	Capacity	Tube Volume	Tube Diameter	Cat. number
1 PRS-48	48	1.5–15 ml	10–16 mm	BS-010118-CK
Optional				
2 PRS-8/22	8 and 22	up to 50 and 1.5–15 ml	20–30 and 10–16 mm	BS-010118-AK
3 PRS-14	14	up to 50 ml	20–30 mm	BS-010118-BK

1 PRS-48



2 PRS-8/22



3 PRS-14

