

# Multi Bio RS-24, Programmable rotator



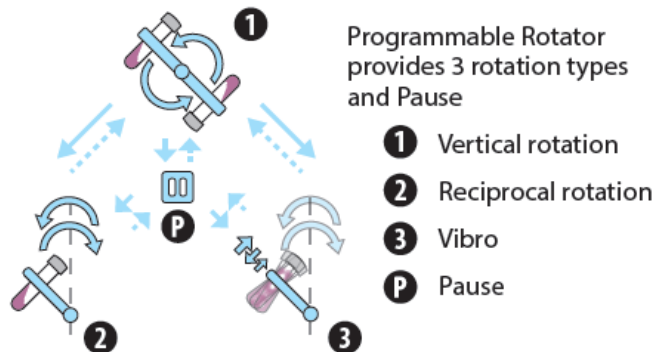
## DESCRIPTION

Programmable Rotator **Multi Bio RS-24** performs several motion types in one module. Microprocessor control allows performing not only Vertical rotation (1) of the platform, but also Reciprocal rotation (2) as well as Vibration (3). 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 Rotator 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.

**During the stop mode the platform does not perform extra turnover and stops in a horizontal plane. Additionally there is a possibility of setting the plane with respect to which platform oscillates vertically or horizontally.\***

Programmable Rotator can be used in cold rooms or incubators, operating at ambient temperature range +4°C to +40°C. Low voltage external power supply (12 V) provides electrical safety in humid environment.



**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).

**\*NEW FUNCTION**

## SPECIFICATION

|   |                             |
|---|-----------------------------|
| Vertical rotation speed control range   | 1-100 rpm (increment 1 rpm) |
| Vertical rotation movement              | overhead, 360°              |
| Vertical rotation time setting range    | 0 - 250 sec                 |
| Reciprocal rotation speed control range | 1-100 rpm (increment 1 rpm) |



## CAT. NR.

|               |   |
|---------------|---|
|               | Multi Bio RS-24 incl. PRS-26 & external power supply unit |
| BS-010117-AAG | 230VAC 50/60Hz Euro plug                                  |
| BS-010117-AAK | 230VAC 50/60Hz UK plug                                    |
| BS-010117-AAK | 230VAC 50/60Hz AU plug                                    |
| BS-010117-AAK | 100VAC 50/60Hz US plug                                    |
| BS-010117-AAK | 120VAC 60Hz US plug                                       |
| -----         | <b>Optional accessories</b>                               |
| BS-010117-HK  | Platform PRS-5/12   |
| BS-010117-IK  | Platform PRS-10   |
| BS-010117-LK  | Platform PRSC-22  |
| BS-010117-JK  | Platform PRSC-10  |
| BS-010117-PK  | Platform M-8/50   |

## Multi Bio RS-24, Programmable rotator



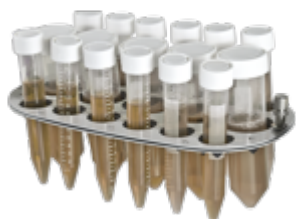
|   |  |
|---|--|
| Reciprocal rotation tilt angle range            | 1° - 90° (increment 1°)                        |
| Reciprocal rotation time setting range          | 0 - 250 sec                                    |
| Vibro rotation tilt angle range                 | 0° - 5° (increment 1°)                         |
| Vibro rotation Pause / Vibro time setting range | 0 - 5 sec                                      |
| Digital time setting                            | 1 min-24 hrs / non-stop (increment 1 min)      |
| Maximum load                                    | 0.5 kg   |
| Overall dimensions (WxDxH)                      | 365x195x155 mm                                 |
| Weight  | 1.7 kg   |
| Input current/power consumption                 | 12 V, 660 mA / 8 W                             |
| External power supply                           | Input AC 100-240 V 50/60 Hz;<br>Output DC 12 V |

|              |                          |
|--------------|--------------------------|
| BS-010149-DK | Platform PRS-1DP         |
| -----        |                          |
| BS-010117-MK | IQ OQ document           |
| BS-010117-NK | PQ document              |
| -----        |                          |
|              | <b>Replacement parts</b> |
| BS-010117-GK | Platform PRS-26          |

### ACCESSORIES



**PRS-26**  
can accommodate 26 tubes 10-16 mm diameter (1.5-15 ml)



**PRS-5/12**  
5 tubes 20-30 mm diameter (50 ml tubes) and 12 tubes 10-16 mm diameter (1.5-15 ml tubes)



**PRS-10**  
10 tubes 20-30 mm diameter (up to 50 ml tubes)

## Multi Bio RS-24, Programmable rotator



**PRSC-22**  
can accommodate 22 tubes 16 mm diameter (15 ml)



**PRSC-10**  
10 tubes 25-30 mm diameter (50 ml tubes)



**M-8/50**  
roller platform, 8 tubes 25-30 mm diameter (50 ml tubes). Application: hybridization reactions.



**PRS-1DP**  
Platform for microplates and racks for tall tubes 0.5 and 1 ml (e.g. Thermo 3741MTX, 3742MTX, 3744MTX)