

SBS 300 Robotic

Front loading, automated centrifuge



Essential and Modular



The **SBS 300 Robotic** is a front-loading centrifuge, developed and optimized for microtiter plates in high-throughput automation. The centrifuge is particularly suitable for inclusion in collaborative robotic systems, while the robust construction ensures increased

safety and durability – especially in continual-use environments. The compact dimensions of the centrifuge, high G-forces, and quiet operation make it ideal for all plate-based applications.

External Cooling



The **refrigerated SBS 300R Robotic** features an external, active cooling system that guarantees consistent, precise temperature control, even during the most demanding centrifugation cycles. This innovation ensures sample integrity and reproducibility

across all applications. Thanks to our strategic collaboration with Julabo, we have optimized the centrifuge's performance to meet the evolving needs of modern laboratories.

Highlights

- Loading & unloading hatch for front or top loading
- Hatch opening time < 6 seconds
- Fast + Slow positioning mode
- Positioning time of 5 seconds
- Positioning accuracy is three encoder steps (out of a total of 4096)
- Imbalance tolerance 50 g
- Max. noise level 65 dB(A)
- External cooling

Features

- Metal housing and lid
- Emergency lid lock release
- Stainless steel inner chamber
- Automatic rotor recognition
- Error display
- Imbalance switch-off
- Over-temperature fuse
- Interface via RS-232
- Over-current limitation when closing the hatch
- Manual operation via key switch possible (backup)

Learn more: hettweb.com/sbs300

Specifications



SPECIFICATIONS	SBS 300 Robotic	SBS 300R Robotic
Max. Capacity	2 microtiter plates (max. height 50 mm)	2 microtiter plates (max. height 50 mm)
Max. RPM / RCF	6,300 min ⁻¹ / 4,593	6,300 min ⁻¹ / 4,593
Max. Plate height	50 mm	50 mm
Hatch opening time	5 s	5 s
Lowest temperature	Ambient	4 °C
Noise suppression	65 dB max	65 dB max
Run-up / run-down, braked in sec	63 / 28	63 / 28
Dims (H x W x D)	12 x 16 x 20 in.	12 x 16 x 20 in.
Weight	154 lbs.	154 lbs.
Imbalance	50 g	50 g
Manual override	Yes	Yes

† Warranty valid in U.S. and Canada only, see warranty statement for complete details.

Learn more: hettweb.com/sbs300

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