



Low-Speed High-Capacity Centrifuge TD5Z

Engineered for high-volume
sample separation

Versatile performance with multi-rotor safety for
demanding laboratories.



- **High-Capacity & Speed:** Reaches up to 5,000 rpm with swing-out rotor capacity up to 4 × 500 mL.
- **Microcomputer Control:** Maintenance-free DC brushless motor ensures low-noise, highly accurate performance.
- **Digital LCD Interface:** Clear, high-contrast screen for effortless parameter monitoring and control.
- **Automated Multi-Safety Architecture:** Real-time alarms and protection for over-speed, over-temperature, load imbalance, and electronic lid locking.
- **Optional Automatic Rotor Recognition:** Automatically detects installed rotors to enforce safe speed limits.
- **Programmable Workflows & Speed Profiles:** Store up to 9 custom user programs with 9 acceleration and 10 deceleration levels (including free coasting).
- **GMP-Compliant Sealing:** Premium silastic sealing ring meets international standards for bio-containment and hygienic operation.

Technical Specifications

Model	TD5Z
Max. Speed	5,000 rpm
Max. RCF	5,030 × g
Max. Capacity	4 × 500 mL
Speed Accuracy	±10 rpm
Time Setting	1 min - 99 min 59 s
Noise	<65 dB (A)
Power Consumption	750 W
Voltage	AC 110V/220V, 50Hz-60Hz
Size (LxWxH)	465 × 560 × 380 mm
Packaging Size (LxWxH)	560 × 650 × 470 mm
Net Weight (No rotor)	50 kg

Compatible Rotors



TD5Z-R1
4 × 500 mL Round Buckets
Max. Speed: 4,000 rpm
Max. RCF: 3,040 × g



TD5Z-R1-A1
Adapter 20 × 1.5 mL



TD5Z-R1-A2
Adapter 20 × 5 mL / 7 mL



TD5Z-R1-A3
Adapter 15 × 10 mL



TD5Z-R1-A4
Adapter 8 × 15 mL



TD5Z-R1-A5
Adapter 7 × 20 mL



TD5Z-R1-A6
Adapter 3 × 50 mL



TD5Z-R1-A7
Adapter 1 × 100 mL

Compatible Rotors



TD5Z-R3
Swing Out Rotor
Max. Capacity: 8 × 50 mL
Max. Speed: 5,000 rpm
Max. RCF: 5,030 × g



TD5Z-R4
Swing Out Rotor
2 × 2 × 96 Well Microplate
Max. Speed: 4,000 rpm



TD5Z-R5
Swing Out Rotor
Max. Capacity: 24 × 15 mL
Max. Speed: 4,000 rpm
Max. RCF: 3,200 × g



TD5Z-R5-A1
Adapter 1 × 100 mL



TD5Z-R5-A2
Adapter 8 × 15 mL



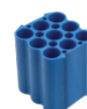
TD5Z-R6
Swing Out Rotor
Max. Speed: 4,000 rpm
Max. RCF: 3,200 × g



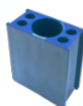
TD5Z-R6-A1
Adapter 12 × 7 mL (× 4)



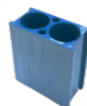
TD5Z-R6-A2
Adapter 6 × 15 mL (× 4)



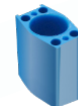
TD5Z-R6-A3
Adapter 9 × 15 mL (× 4)



TD5Z-R6-A4
Adapter 1 × 50 mL (× 4)



TD5Z-R6-A5
Adapter 2 × 50 mL (× 4)



TD5Z-R6-A6
Adapter 1 × 100 mL (× 4)



TD5Z-R7
Swing Out Rotor
18 × 7 mL (× 4)
Max. Speed: 4,000 rpm
Max. RCF: 3,200 × g



ID: TD5Z

Contact us today to learn how the TD5Z can optimise your workflow.