



**TG-16**

## BENCHTOP HIGH-SPEED CENTRIFUGE

### Introduction

TOP INSTRUMENT Benchtop High-speed Centrifuge is a laboratory equipment used for separating components of a liquid or a mixture based on their density. It is commonly used in research labs, medical labs, and industrial settings for applications such as DNA extraction, protein purification, and blood cell separation. It is designed to be user-friendly and easy to operate, with programmable settings and safety features to prevent accidents.

### Features

- Maintenance-free frequency conversion motor, LCD touch screen operation.
- Electronic security door lock, independent motor control.
- Automatic recognition of the rotor to prevent overspeeding.

- Elastic rotor fixing method, convenient and quick rotor replacement.
- 40 levels of speed can be adjusted, 1000 sets of commonly used programs can be stored and recalled, suitable for more application scenarios.
- The three-axis gyroscope dynamically monitors the balance state throughout the whole process, and the response value can be adjusted.
- Automatic fault diagnosis and automatic recording.
- It can perform centrifugation with 5 speeds and time steps, and the curve display.
- Can store 1000 usage records and export them via USB.
- Password lock function, you can set a password lock on the host to prevent misuse.
- Steel body, the front panel is injection-molded with engineering plastics, which is safe and beautiful.
- Stainless steel centrifugal chamber.
- RCF can be set and displayed directly, no fog RPM/RCF conversion.
- Parameters such as speed, centrifugal force, time, and speed up/down can be changed during operation.



### Technical Parameter

Maximum speed	16500 r/min
Max. RCF	24760*g
Maximum capacity	6*100ml (8000rpm)
Speed accuracy	± 10 r/min
Timing range	1min~99H59 min
Noise	≤ 60dB (A)
Power supply	AC 220V 50HZ 10A
Power	500W
Dimensions	445*360*315(L*W*H)mm
Weight	29kg

## Rotor Parameter

Rotor	Capacity	Max. Speed	Max. RCF
No. 1 Angle rotor	12*1.5ml/2.2ml	16500rpm	19000*g
No. 2 Angle rotor	12*5ml	15000rpm	18240*g
No. 3 Angle rotor	24*1.5/2.2ml	16000rpm	24760*g
No. 4-1 Angle rotor	12*10ml	13000rpm	15630*g
No. 4-2 Angle rotor	36*1.5/2.2ml		
No. 5-1 Angle rotor	6*50ml (pointed bottom/round bottom)	12000rpm	15700*g
No. 5-2 Angle rotor	48*1.5/2.2ml		
No. 6-1 Angle rotor	4*100ml	10000rpm	11020*g
No. 6-2 Angle rotor	8*50ml (pointed bottom/round bottom)		
No. 6-3 Angle rotor	12*15ml		
No. 6-4 Angle rotor	24*10ml		
No. 7 Angle rotor	6*10ml	16000rpm	18950*g
No. 8-1 Angle rotor	8*15ml	13000rpm	14930*g
No. 8-2 Angle rotor	6*30ml		
No. 9 Angle rotor	4*0.2mlPCR8 tube	13000rpm	14640*g
No. 10 Angle rotor	6*100ml	8000rpm	7720*g
No. 11 Enzyme labeled horizontal rotor	2*2*48 holes	4000rpm	1500*g

## Rotor Details

NO.T.12.001.5/002.2H		NO.T.12.005H	
NO.T.24.001.5/002.2H		NO.T.12.010H	
NO.T.36.001.5/002.2H		NO.T.06.50H	
NO.T.06.50H		NO.T.48.001.5/002.2H	
NO.T.04.100H		NO.T.08.050H	
NO.T.08.050H		NO.T.12.015H	
NO.T.24.010H		NO.T.06.010H	
NO.T.08.015H		NO.T.06.030H	
NO.04,000.2H		NO.T.06.100H	
NO.T.148.005H			