



Features:

1. Advanced and reliable Infineon vector sine wave drive control system can precisely control the speed, time and relative centrifugal force;
2. Using maintenance-free brushless frequency conversion induction motor, the speed range is 100~16000rpm , and the accuracy is ± 10 rpm ;
3. Separate flash instantaneous centrifugation button , press and hold to achieve fast and convenient centrifugation;
4. High-strength host and rotor materials can resist various chemical corrosion, have sealing performance and unlimited high-temperature disinfection function, Teflon-coated stainless steel cavity, excellent corrosion resistance, in-situ foaming, good heat preservation Effect; the accidental power failure cover opening device is reliable and convenient; the cover has a speed measuring hole, which is convenient for speed monitoring and meets GMP requirements;
5. Stainless steel cavity, strong structure, suitable for continuous use, new innovative electronically controlled automatic suction double lock, easy and fast opening and closing of the cover, quiet and safe to open and close the cover;
6. Imported 5-inch LCD high-brightness black-and-white liquid crystal display ;
7. Equipped with rotor automatic ID identification function to make multi-rotor high-speed models safer and more convenient to use, door cover protection, overspeed and unbalance detection system, which can monitor the centrifugation process in real time to ensure the safe operation of the instrument, the end of operation, errors and occurrences When it is unbalanced, the sound signal will prompt, and the operation will stop at the same time, and the LCD will display the result code;
8. A sealed angle rotor is equipped with a rotor cover to prevent staff from being contaminated by samples;

Specification

Product Name	M16RS
Input voltage	AC 220V / 50~60Hz
Input power[W]	650 W
Max. Capacity[ml]	50 (5ml×10)
Speed Range[r/min.]	100 ~ 16000 rpm / step increase 10rpm
Speed Accuracy	± 20rpm
Max.RCF [×g]	23,470×g / step increase 10×g
Static temperature setting range	- 20 °C ~ +40°C /step increase 0.5 °C /Display accuracy 0.1°C /control accuracy ± 2°C
Max.Load/Temperature control at Max. speed	-12°C ~ +40°C / Display accuracy 0.5°C /control accuracy ±2°C
Motor	Maintenance-free brushless inverter motor
Timing Control	1 - 99hrs / 1 - 59min / 1 - 59sec; accuracy ± 1sec
Drive control system	Infineon vector sine wave drive control system
Operation method	multi touch + Physical button
Store program	10 built-in storage programs/5 panel shortcut program/equipped with NORMAL button
Display	5 inch IPS full view 16 million chroma true color LCD display/Resolution 800×480dpi
Max.acceleration time[sec]/Speed up gear	18s / 9gears
Refrigeration Compressors/Refrigerant	Imported SECOP® with 3C certificate/R134a
Noise level at max. speed (approx)	≤ 58dB(A)
Protection class	IP20
Allowable ambient temperature/relative humidity	+5 ~ 40°C / 80%

Ordering Information

Part No	Descriptions
M16RS-18090	M16RS Micro high speed refrigerated centrifuge
M16RS-18091	M16RS-A-1 (Angle-rotor / with sealing cover 2.2/1.5ml×24 holes)
M16RS-18092	M16RS-A-2 (Φ1.5mm×L75mm Capillary ×24/rotor)
M16RS-18093	M16RS-A-3 (Angle-rotor / with sealing cover 5ml×10 holes)
M16RS-18094	M16RS-A-4 (Strip tube rotor/ with sealing cover 0.2ml×8 holes×4 strip)
M16RS-18095	M16RS-A-5 (Angle-rotor / with sealing cover 0.5ml×36 holes)

Rotors

				
#1 Angle-Rotor M16RS-A-1	#2 Angle-Rotor M16RS-A-2	#3 Angle-Rotor M16RS-A-3	#4 Angle-Rotor M16RS-A-4	#5 Angle-Rotor M16RS-A-5
Single tube volume: 1.5/2.2ml	Single tube volume:50µl	Single tube volume:5ml	PCR rotor:0.2ml×8	Single tube volume: 0.5ml
Total volume: 1.5/2.2ml×24	Total volume:50µl×24	Total volum:5ml×10	Total volum:0.2ml×8×4	Total volume:0.5ml×36
Max. Speed:16000rpm	Max. Speed:12000rpm	Max. Speed:16000rpm	Max. Speed:14800rpm	Max. Speed:15000rpm
Max .Rcf:23470×g	Max .Rcf:14330×g	Max .Rcf:18140×g	Max .Rcf:16200×g	Max .Rcf:16350×g