



MiniL-12G large-capacity mini centrifuge adopts international advanced design concept and manufacturing technology. It has a smooth and beautiful appearance, compact and stable structure. "A centrifuge with functional characteristics; this mini centrifuge is very suitable for microtube filtration and rapid centrifugation, micro blood cell separation, microbial sample processing, PCR experiment partition centrifugation, preventing liquid in centrifuge tubes from hanging on the wall, etc. It is ideal for small batch centrifugation Sample first choice.

Features:

1. Adopt advanced and reliable PI high-frequency full-range wide-range power supply control scheme, which is in line with power grids around the world. Through 16-bit MCU operation PWM speed regulation, voltage, current, speed and effective centrifugal time can be controlled more accurately to ensure its use in harsh environments, further prolonging the service life of the motor and electromagnetic noise;
2. Reliable and durable DC permanent magnet motor, with a wider speed range of 500-12000rpm, with an accuracy of $\pm 9\%$; the centrifugal speed can be adjusted in steps of 500rpm, and the effective centrifugal time range: 1-99 minutes or 1-59 seconds;
3. Faster acceleration/deceleration rates, needed to complete experiments in less time;
4. High-strength host and rotor materials can resist various chemical corrosion, and the rotor has the function of high-temperature disinfection;
5. Unique snap-on installation design of the rotor, easy to replace the rotor without any tools, making it more convenient and fast for the experimenter to replace the rotor;
6. The novel compound test tube rotor can be compatible with various test tubes, and can meet the basic needs of experiments without changing the rotor;
7. RSS material shock absorption, more stable operation, the rotation space is 360° arc, no angle, small wind resistance, small temperature rise, ultra-quiet, the whole machine noise $\leq 60\text{dB}$;
8. Door cover protection, overspeed and unbalance detection system can monitor the centrifugation process in real time to ensure the safe operation of the instrument. When the operation ends, errors or imbalance occur, the sound signal prompts and stops the operation at the same time, and the LCD displays the result code;

Specification

Model	MiniL-12G
input power	AC 100-250V / 50/60Hz
power fuse	PPTC / resettable fuse / no need to replace
Input power [W]	45 W
control method	ST16-bit MCU/PWM/speed regulation
Display method	LCD with white characters on black background
motor	DC 24 V / DC permanent magnet motor
Effective centrifuge time	1 - 99min / 1 - 59sec.
Speed [r/min.]	500 ~12000rpm ±9%
Speed increase	500 rpm
Maximum relative centrifugal force [×g]	9660×g
Misoperation/alarm failure	Sound prompt + display code
Dimensions: length x width x height [mm]	194 × 229 × 120
Weight [Kg]	1.6
Noise at maximum speed	≤ 60dB(A)
Fastest acceleration time [sec]	≤13 s
Fastest deceleration time [sec]	≤16 s
degree of protection	IP20
Allowable ambient temperature/relative humidity	+5 - 40°C / 80%
Interference Suppression Standard	EN 61010-1, EN 61010-2-020, EN 61326-1, EN 61010-3-2/A2

Ordering Information

MiniL-12G-16111	MiniL-12G Large capacity mini centrifuge with standard rotor MiniL-12G-A-1
MiniL-12G-16112	MiniL-12G-A-1 (Composite angle type rotor 1.5/2ml×12+PCR0.2ml×8 holes×4 strip)
MiniL-12G-16113	MiniL-12G-A-2 (Strip tube rotor 0.2ml×12 holes×4 strip)
MiniL-12G-16114	MiniL-12G-A-3 (Angle-rotor 5ml×4 holes/Cone-Bottom Tube)
MiniL-12G-16115	MiniL-12G-A-4 (Capacity tubes×12 Φ1.5mm×40mm)
MiniL-12G-16116	MiniL-12G-A-5 (Angle-rotor 5ml×4 holes/Riser screw pipe)
MiniL-12G-16117	MiniL-12G-AP-1 Adapter 0.5ml×12pcs /Standard MiniL-12G-A-1
MiniL-12G-16118	MiniL-12G-AP-2 Adapter 0.2ml×12pcs /Standard MiniL-12G-A-1
MiniL-12G-16119	MiniL-12G-AP-3 Adapter 1.8ml/1.1ml×4pcs/Standard MiniL-12G-A-5
MiniL-12G-161110	MiniL-12G-P-4 Capillary reading card/Standard MiniL-12G-A-4
MiniL-12G-161111	MiniL-12G-P-5 Capillary sealing wax board/Standard MiniL-12G-A-4
MiniL-12G-161112	MiniL-12G-P-6(40mm capillary/ One hundred per barrel)

Rotors

 <p>#1 Composite angle type rotor MiniL-12G-A-1</p> <p>Single tube volume: 1.5/2.2ml+0.2ml</p> <p>Total volume: 1.5/2.2ml×12+PCR0.2ml×8×4</p> <p>Max. Speed: 12000rpm</p> <p>Max .Rcf: 9500×g</p>	 <p>#2 PCR Angle-Rotor MiniL-12G-A-2</p> <p>Single tube volume: PCR0.2ml</p> <p>Total volume: 0.2ml×12×4</p> <p>Max. Speed: 12000rpm</p> <p>Max .Rcf: 5960×g</p>	 <p>#3 Angle-Rotor MiniL-12G-A-3</p> <p>Single tube volume: 5ml</p> <p>Total volume: 5ml×4</p> <p>Max. Speed: 12000rpm</p> <p>Max .Rcf: 9660×g</p>	 <p>#4 Angle-Rotor MiniL-12G-A-4</p> <p>∅ 1.5mm×L40mm</p> <p>Capacity tubes×12</p> <p>Max. Speed:12000rpm</p> <p>Max .Rcf:8371×g</p>	 <p>#5 Angle-Rotor MiniL-12G-A-5</p> <p>Single tube volume: 5/1.8/1.1ml</p> <p>Total volume:5/1.8/1.1ml×4</p> <p>Max. Speed:7000rpm</p> <p>Max .Rcf:3180×g</p>
 <p>Adapter</p> <p>MiniL-12G-AP-3 1.8ml/1.1ml×4</p>	 <p>Adapter</p> <p>MiniL-12G-AP-1 0.5ml×12</p> <p>MiniL-12G-AP-2 0.2ml×12</p>	 <p>Capillary reading card</p> <p>MiniL-12G-P-4</p>	 <p>Capillary sealing wax board</p> <p>MiniL-12G-P-5</p>	