

mini



GYROZEN mini centrifuge is designed to offer maximum performance in a small footprint of every experimental workstation. Compact product design, user-friendly and intuitive interface are easy and comfortable for the operation. mini has a fully-functioning safety architecture of patented air-cooling and anti-vibration. Three colors of powder white, rose pink and steel blue are optionally available and it will liven up any laboratory environment.

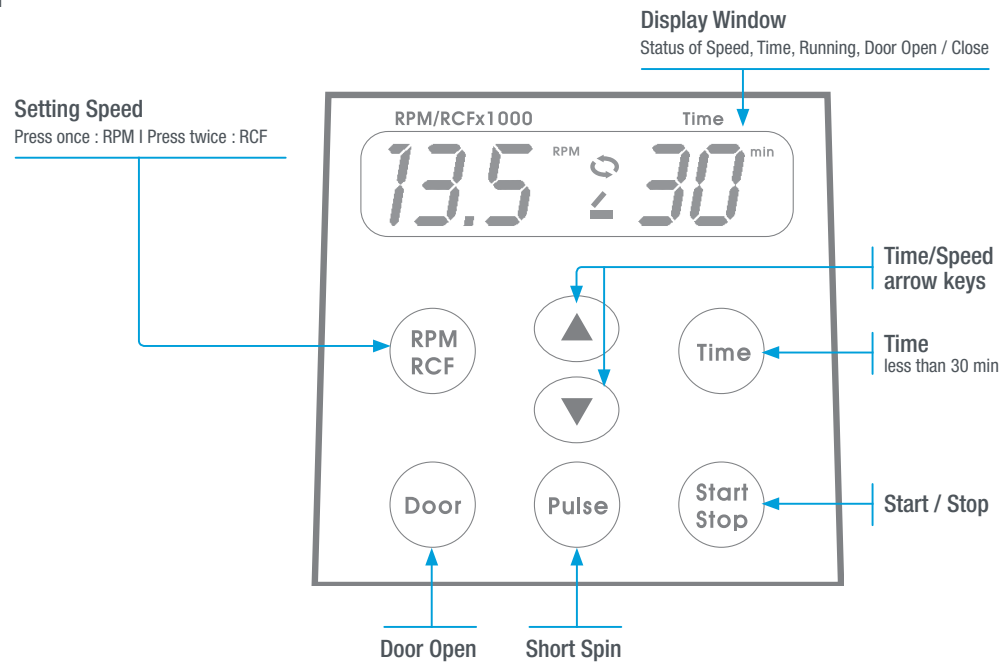
► Features

- 12 microtubes or 10 cryotubes can be run up to 13,500 rpm (12,300 xg).
- Compact design built to accommodate PCR tubes, microtubes and cryotubes (0.2 to 2.0 ml)
- Patented air-cooling to minimize noise and heat generation
- A separate "PULSE" key for quick spin
- Very quiet operation at less than 56 dB allows for comfortable laboratory environment.
- Supplied with autoclavable 12-place fixed angle micro-rotor, snap-fit plastic rotor lid and 12 adaptors for 0.2 ml PCR tubes

► Technical Specifications

Max. RPM/RCF	13,500 / 12,300 xg	Safety lid lock	Yes
Max. capacity	12 x 1.5/2.0 ml, 4 x 8-tube PCR strips	Automatic lid release at completion	Yes
Time control	Pulse or timed ≤ 30 min	Chamber material	PC/ABS
RPM/RCF conversion	Yes	Power supply	230 V, 50 Hz (AC 220-230 V, 50/60 Hz; 110 V optional)
Noise level (dB)	~ 56	Power requirement (VA)	110
ACC / DEC (sec)	≤ 12 / ≤ 16	Dimension (W x D x H, mm)	208 x 245 x 145
Parameters on display window	RPM (RCF), Oper Status, Lid Open/Close, Min(sec)	Weight without rotor (kg)	4.4
Display	Blue LCD	CE mark	Yes
		Cat. No.	GZ-1312

► Control Panel








► Applications

- Molecular works of cell collection, phenol extraction, simple spin-down, etc.



Fixed Angle Rotor, GRF-m2.0-12


12 x 1.5/2.0 ml
 $\angle 45^\circ$
 Hole diameter (mm) : 11.1
 Max. height for tube fit (mm) : 42

Tube			
Tube capacity (ml)	0.2	0.5	1.5/2.0
Adaptor			None
Cat No.	GAS-m0.2(2)	GAS-m0.5(2)	-
Adaptor bore ($\Phi \times L$, mm)	6.5 x 23	8 x 31	-
Radius (mm)	43.5	50.5	60.4
Max.RPM	13,500		
Max.RCF (g-force)	8,863	10,290	12,300



Fixed Angle Rotor, GRF-m1.8-10



10 x 1.8 ml Cryotube
 $\angle 45^\circ$
 Hole diameter (mm) : 12.8
 Max. height for tube fit (mm) : 50

Tube	
Tube capacity (ml)	1.8 cryotube
Adaptor	None
Cat No.	-
Adaptor bore ($\Phi \times L$, mm)	-
Radius (mm)	60.4
Max.RPM	13,500
Max.RCF (g-force)	12,300



PCR Rotor GRA-s0.2-32

4 x 8-tube PCR strips, 32 x 0.2 ml
 $\angle 45^\circ$
 Hole diameter (mm) : 6.5

Tube		
Tube capacity (ml)	0.2	8-Strip tube
Radius (mm)	1st : 38.6 / 2nd : 46	
Max.RPM	6,000	
Max.RCF (g-force)	1st : 1,554 / 2nd : 1,850	