

GYROZEN

QUALITY | RELIABILITY | VALUE

韓國 No.1 喆仁現代離心機介紹專集



台灣總代理



勝博國際集團
SUNPRO INTERNATIONAL INC

台北 勝綻科技
Tel:02-8791-8971

台中 勝璋科技
Tel:04-2247-9811

高雄 勝騏科技
Tel:07-338-5550

品牌故事 – 韓劇裡最常看到的實驗室離心機

A global company that realizes value for life through innovation, communication, and commitment

Founded in 2007, GYROZEN is a life science company that manufactures centrifuges and other instruments for academic and commercial research laboratories, as well as clinical laboratories around the world.

All products are designed, manufactured, and assembled under a single facility in Gimpo, South Korea, providing consistent results. Gyrozen products are distributed around the globe by our trusted channel partners and authorized distributors to ensure the highest quality and service.



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品質與安全 通過國際標準檢測規範



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SAFETY AND ROBUSTNESS

OF GLOBAL CERTIFICATION



Institute of Global Certification
Management System Certification Body No. MSCB-105
CERTIFICATE
No. 20-A-2680 Rev. 0
 This is to certify that the Quality Management System of
GYROZEN Co., Ltd.
 of
1F & 5F, 16 Arayuk-ro, Gimpo-si, Gyeonggi-do, Republic of Korea
 Company Reg. No.: 121-81-80348
 has implemented and documented a quality management system in compliance with the requirements of the standard
ISO 9001:2015
 for
Design, Development, Manufacture and Service of
 • Laboratory Centrifuges and Equipment
 • Sample Concentrators, Freeze Dryers, Laboratory Shakers, Roller Mixers
 • Consumables for Laboratory and Research Use

OF GLOBAL CERTIFICATION



Institute of Global Certification
Management System Certification Body No. MSCB-105
CERTIFICATE
No. 20-B-0694 Rev. 0
 This is to certify that the Quality Management System of
GYROZEN Co., Ltd.
 of
1F & 5F, 16 Arayuk-ro, Gimpo-si, Gyeonggi-do, Republic of Korea
 Company Reg. No.: 121-81-80348
 has implemented and documented a quality management system in compliance with the requirements of the standard
ISO 13485:2016
 for
Design, Development, Manufacture and Service of
 • Centrifuges for Separation of Blood Components for Transfusion
 • Centrifuges for Use in In-Vitro Diagnostic Medical Devices

인증번호(No.): KCL-CBBA-8234

체외진단 의료기기 제조 및 품질관리 기준 적합인정서 (Certificate of GMP)



■ 일소명/허가번호 (Company name of Applicant / License No.)
 (주)지이로젠/제외 제 2466 호
 GYROZEN Co., Ltd.

■ 일소 소재지 (Company address of Applicant)
 경기도 김포시 고촌읍 아리하로 16 1층(일부), 5층(일부)
 1F & 5F, 16 Arayuk-ro, Gimpo-si, Gyeonggi-do, KOREA

■ 제조소명 (Name of Manufacturer)
 제조자 : (주)지이로젠(GYROZEN Co., Ltd.)
 제조소소재지 (Address of Manufacturer)
 경기도 김포시 고촌읍 아리하로 16 1층(일부), 5층(일부)
 1F & 5F, 16 Arayuk-ro, Gimpo-si, Gyeonggi-do, KOREA

■ 품목군 (Category)
 감마 방사선 조사용 기기 (Devices for Gamma Radiation)
 체외진단의료기기 제조 및 품질관리기준에 적합함을 인정합니다.
 (We hereby certify that the above manufacturer complies with Korea Good Manufacturing Practices for In-Vitro Diagnostic Devices for the product group listed)

발행일자(Date of Issue) : 2020. 05. 10
 유효기간(Date of Expiration) : 2023. 05. 10

KCL (주)한국건설생활환경시험연구원
 Korea Conformity Laboratories

GYROZEN® www.gyrozen.com

DECLARATION OF CONFORMITY

We, GYROZEN Co., Ltd., hereby declare under our sole responsibility that the product(s) listed below conform to the European Union directives and standards identified in this declaration.

Nous, GYROZEN Co., Ltd., déclarons sous notre seule responsabilité que le produit (s) indiqués ci-dessous sont conformes aux directives de l'Union européenne et les normes définies dans la présente déclaration.

Nosotros, GYROZEN Co., Ltd., por la presente declaramos bajo nuestra responsabilidad exclusiva que el producto (s) en la lista por debajo de ajustarse a las normas y las directivas de la Unión Europea, identificadas en esta declaración.

Wir, GYROZEN Co., Ltd., hiermit unter eigener Verantwortung, dass das Produkt (s), die unter die Richtlinien der Europäischen Union und Normen, die in dieser Erklärung.

Description of Product: Centrifuge
Model Name: 1730R

EU Directives
 Low Voltage (2014/35/EU)
 Machinery Directive (2006/42/EC)
 EMC (2014/53/EU)
 RoHS (2011/65/EU and 2015/863/Annex II)

Standards
 Safety IEC61010-1:2010 (Third Edition)
 IEC 61010-2-020:2016(Third Edition)
 EMC EN 61326-1:2012
 RoHS IEC 62321-2:2013
 IEC 62321-2:2017
 IEC 62321-2:2015

Test Report Ref. E491639-D1-CB-1, April 25, 2017
 CB2017-08057, May 02, 2017
 E219-1403-102890-925, July 12, 2019, etc.

September 05, 2019
 Yongsoo Kim
 Yongsoo Kim / V.P.

Do No.: 03903090603

15 Arayuk, Gimpo 19336, Rep. of KOREA
 T: 82-2-3452-7794 E: info@gyrozen.com

GYROZEN® www.gyrozen.com

DECLARATION OF CONFORMITY

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Wir, GYROZEN Co., Ltd., hiermit unter eigener Verantwortung, dass das Produkt (s), die unter die Richtlinien der Europäischen Union und Normen, die in dieser Erklärung.

Description of Product: Centrifuge
Model Name: 400 / 416
 Risk class in accordance with Annex VIII
 Basic UDA-Cl 416
 400/10370340003
 800/10370341028

Relevant Directives/Harmonized Standards
 In vitro diagnostic medical devices 2017/745/EU as last amended EN ISO 13485:2016
 EN ISO 14971:2012
 EN ISO 18252-1:2016
 EN ISO 18113-1:2011
 EN 62368:2006
 EN 61910-2-101:2017
 EN 61326-2-2:2013
 EN 61010-1-2016(A1):2019
 EN 61010-2-020:2017
 EN 50617:2016
 EN 61326-1:2013
 EN 61000-3-2:2014
 EN 61000-3-3:2013
 EN IEC 63000:2018

Low Voltage 2014/35/EU as last amended
EMC 2014/53/EU as last amended
RoHS 2011/65/EU as last amended

Test Report Ref.
 408 ACTS-2020-SC-130, E30WD-203, CTX0034-RS-0002-FW
 416 ICRT-19-0203037-6A, ICRT-19-0201629-6A, CTX0034-RS-0003-FW

January 21, 2022
 Authorized Representative (AR)
 CE Medical
 Amerlansteweg 7, 3621 ZC
 Breukelen, The Netherlands
 Tel: +31 (0)85 007 32 20
 Yongsoo Kim / V.P.

Do No.: 000430160010

1F & 5F, 16 Arayuk-ro, Gimpo-si, Gyeonggi-do, 19136, Rep. of KOREA
 GYROZEN CO., LTD. T: 82-2-3452-7730 E: info@gyrozen.com

Public Health England
 National Infection Service
 Porlton Down
 Salisbury
 Wiltshire
 SP4 0JG

Certificate of Containment Testing

Containment Testing of Bucket GLBB-b100-100 in a GYROZEN Centrifuge

Report No. 20/110

Report Prepared For: GYROZEN Co., Ltd.
 Issue Date: 12 March 2021

Test Summary

Bucket GLBB-b100-100 was tested for containment in a GYROZEN centrifuge, using Annex AA of IEC 61010-2-020:2016 (3rd Ed.). The sealed buckets were shown to contain a spill.

Report Written By: Ms Helen Hookway
 Title: Biosafety Scientist

Report Authorised By: Mrs Sara Speight
 Title: Senior Biosafety Scientist

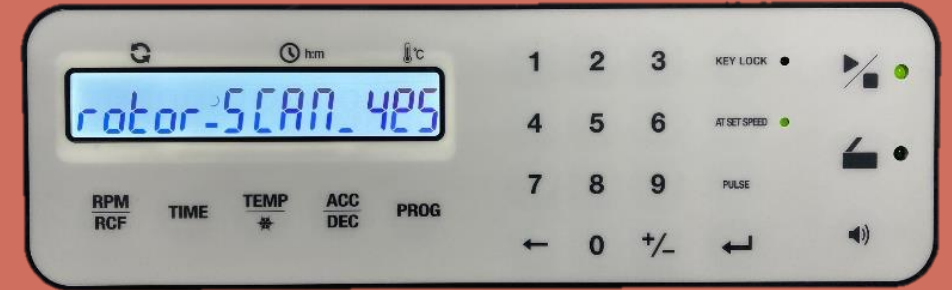
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Safe Operation 您的安全我們很在乎

四重安全保護

1. 油壓上蓋防滑落壓傷
2. Rotor ID 自動辨識防超速
3. 雙門電子鎖扣確保上鎖
4. 運行中及 rotor 未完全停止前, 電子門無法開啟



Rotor ID recognition

Automatic rotor identification to make sure that the rotor is not operated over RPM limit for safe operation



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Lid drop protection design
For safe and convenient operation

Dual centrifuge lid lock
Lid close & lock with dual strikers for safety

功能完備 · 一應俱全



Automatic RPM/RCF Conversion
for easy detection of g-value to be applied on samples



Fast Cooling
Cooling down to 4°C within 5 minutes



Selectable Time Mode of "At Set Speed"
for counting running time starting when is reached the set speed



Automatic Lid Release
at the completion of the operation (only for non refrigerated model)



Rotor ID
Automatic rotor identification for safe operation



Imbalance Cut-Off
Sound warning keep the instrument protected from unsuitable operation.



ACC/DEC Rate Control
Setting run-up (9 steps) / down (10 steps) rates



Bio-Safe Rotors Available



Up to 100 or 10 Program Memory
for convenient operation of the routine protocols



Motorized Lid Mechanics
Only a gentle touch is sufficient to close and open the lid.



Soft Start/Stop Function
to achieve gentle run-up and down (416 only)



A Large Assortment of Rotors, Buckets and Adaptors
support diverse applications doable with one instrument.



Short Spin (Pulse)
One-touch key for quick spin



Lid Drop Protection Design
allows operator's convenience and safety.



Glove-Friendly, Soft Touch Buttons
allows easy setting of running conditions / Finger print loss

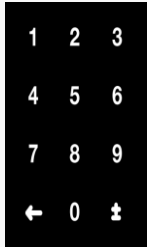


User ID and Password Function
ideal for core laboratory or multi-user environments (2236R only)

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操作簡單 · 一目了然



Numeric keypad

Setting with numeric key touch buttons



Motorized lid

Effortless, easy closure of centrifuge lid



Fast cool

Fast temperature drop to 4°C



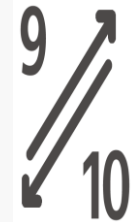
Easy-lock

One step twist locking and unloading (microcentrifuge only)



At set speed mode

Selectable, Time count from starting or at set speed



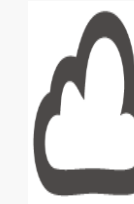
ACC/DEC rate control

Controllable acceleration (9) / deceleration (10) rate



One step rotor lid locking

Direct fasten to motor shaft (1696R only)



Soft start/stop

Minimize sample turbulence (416 only)



Program memory

Custom program settings save (30~100)



Short spin (Pulse)

One-touch quick spin



Password protection

Ideal for multi-user management (2236R)

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產品分類

共分成四大類

1. 微量高速型
2. 低速型
3. 多用途型
4. 大容量高速型

現有16種機型，
並有冷凍型和非冷
凍型，可滿足各種
實驗之需求

Microcentrifuge

Fixed-angle rotor
0.2 mL ~ 50 mL , 6,500 ~ 18,000 rpm



Low-speed

Swing-out rotor
15 mL ~ 100 mL , 4,800 rpm



Multi-purpose

Fixed-angle rotor
2 mL ~ 250 mL, 12,000 ~ 16,000 rpm



Swing-out rotor
15 mL ~ 1000 mL, 5,000 rpm



High-speed

Fixed-angle rotor
2 mL ~ 1,000 mL, 17,000 ~ 22,000 rpm



GYROZEN Microcentrifuge

- **1848R** 為市場上轉速最高的桌上型微量冷凍離心機
- **1730R** 為微量冷凍型CP 值最高的熱賣機種
- **1536/1524** 具有大型全液晶螢幕，價格經濟實惠
- **Mini** 實驗室的最愛，轉速高達13,500 rpm, 底座穩噪音小



1848R



1730R



1536/1524



mini



mini 6 /
mini 6 RC



Fixed-angle



~ 18,000 RPM



0.2 mL ~ 50 mL

MICRO CENTRIFUGES

mini 6

Compact quick spinner



150(w) x 150(d) x 90(h) mm
0.65 kg

FIXED ANGLE ROTOR
MAX 6,500 rpm
MAX 2,234 xg

2 x 8-tube PCR strip
6 x 2.0 mL

mini

Personal microcentrifuge



208(w) x 245(d) x 145(h) mm
4.4 kg

FIXED ANGLE ROTOR
MAX 13,500 rpm
MAX 12,300 xg

4 x 8-tube PCR strip
10 x 1.8 mL cryotube
12 x 2.0 mL

1536

Medium throughput microcentrifuge



240(w) x 378(d) x 240(h) mm
11.9 kg

FIXED ANGLE ROTOR
MAX 15,000 rpm
MAX 21,583 xg

4 x 8-tube PCR strip
36 x 2.0 mL
10 x 5.0 mL

1730R

Medium throughput refrigerated microcentrifuge



310(w) x 620(d) x 265(h) mm
43 kg

FIXED ANGLE ROTOR
MAX 17,000 rpm
MAX 27,237 xg

8 x 8-tube PCR strip
18 x 2.0 mL filter tubes
36 x 2.0 mL
12 x 5.0 mL

SWING-OUT ROTOR
MAX 13,000 rpm
MAX 16,343 xg

4 x 4 x 2.0 mL

1848R

High throughput refrigerated microcentrifuge



380(w) x 654(d) x 312(h) mm
53.5 kg

FIXED ANGLE ROTOR
MAX 18,000 rpm
MAX 30,536 xg

8 x 8-tube PCR strip
48 x 2.0 mL
20 x 5.0 mL
12 x 15 mL conical
8 x 50 mL conical

SWING-OUT ROTOR
MAX 13,000 rpm
MAX 16,438 xg

6 x 4 x 2.0 mL
2 x 2 x MTP*

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1730R 1848R 冷凍型控制面板



Display & Control Panel

At Set Speed

On : Counts the time at set speed / Off : Counts the time from starting
 Touch more than 2 sec. : Repeat time of end alarm (time : 0 ~ 99, 0 : silent)

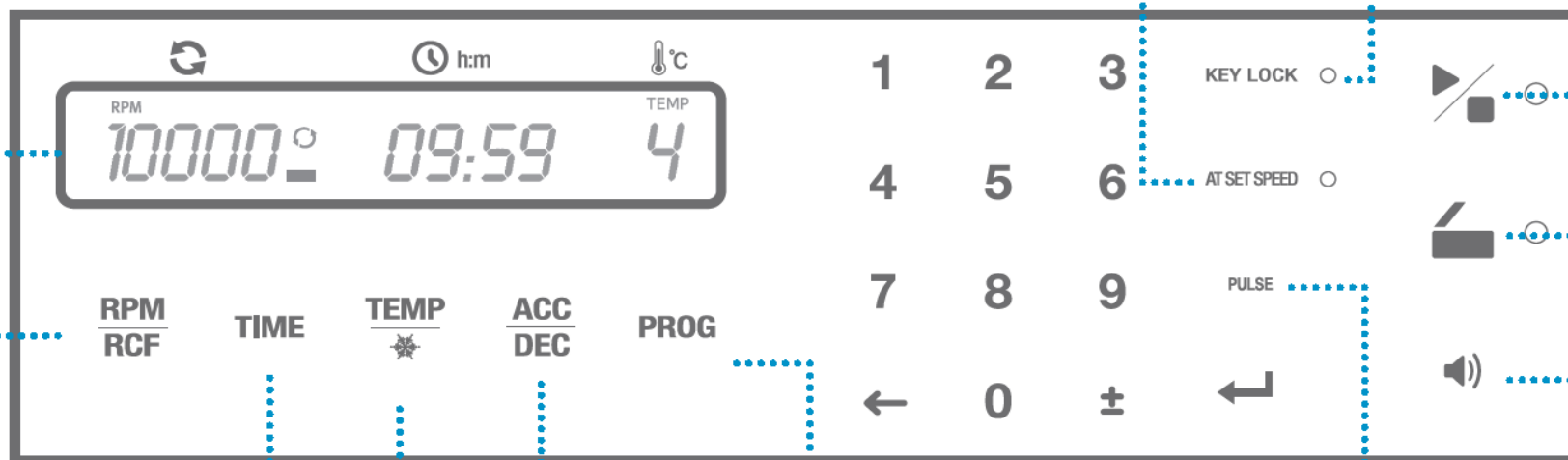
Key Lock / UnLock

Display

Status of RPM, RCF, Time, Temperature, ACC, DEC, Running, Lid open/close

Setting Speed

Touch once : RPM
 Touch twice : RCF



Setting Time

Setting ACC / DEC

Pulse

★ Temp / Fast Cool

Touch for more than 2 seconds to reach rapid refrigeration up to setting temp.

Program SAVE / CALL

Touch once : CALL / Touch twice : SAVE (up to 100)

End Alarm

Sound volume (level : 0 ~ 10, 0 : silent)

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1730R 微量高速冷凍離心機

- 轉速高達**17,000 rpm (27,237 xg)** 可含蓋各種分生實驗
- 可快速在5分鐘內降溫到4度C
- 開蓋時冷凍壓縮機自動停止，即節能又可延長使用壽命
- Rotor 具bio-seal Easy-Lock 設計不會有生物性污染
- **內槽為Teflon coating 可抗有機溶劑**
- 運轉超安靜(小於56dB)
- 可儲存100組參數
- 速度到達設定轉速才開始計時
- 具PULSE 功能 for quick spin
- 離心進行中可更改參數也可鎖定



**30 X 2.0mL
17,000 rpm**



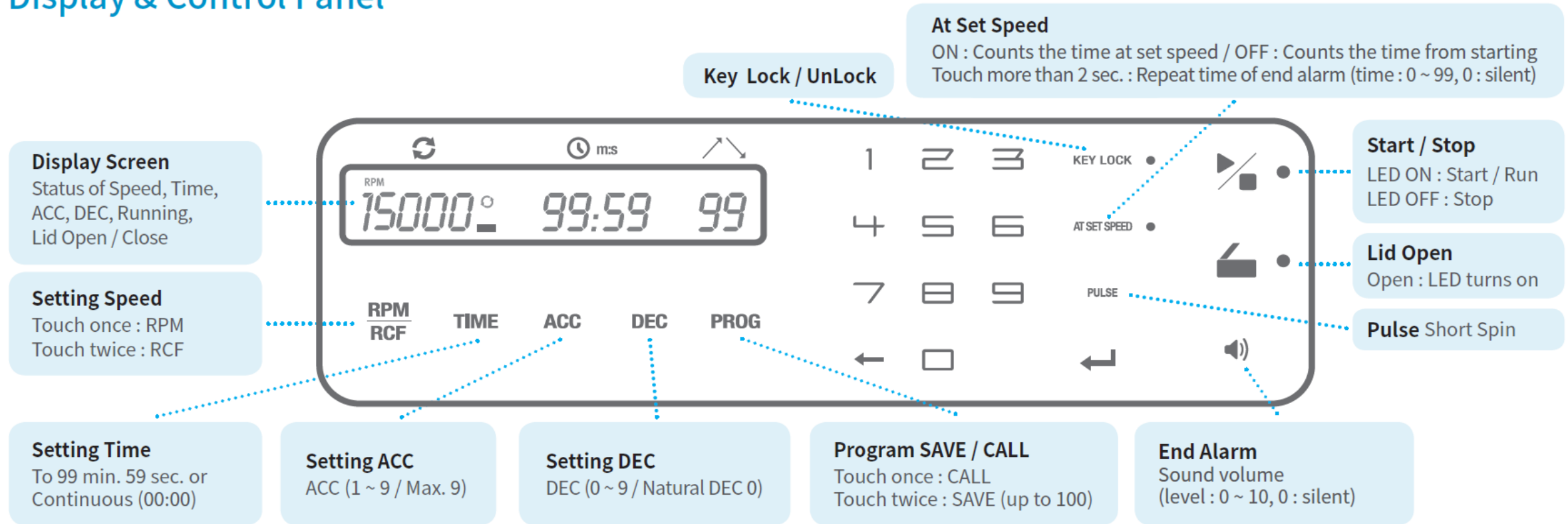
**64 X 0.2mL
17,000 rpm**



1248 1580 非冷凍型控制面板

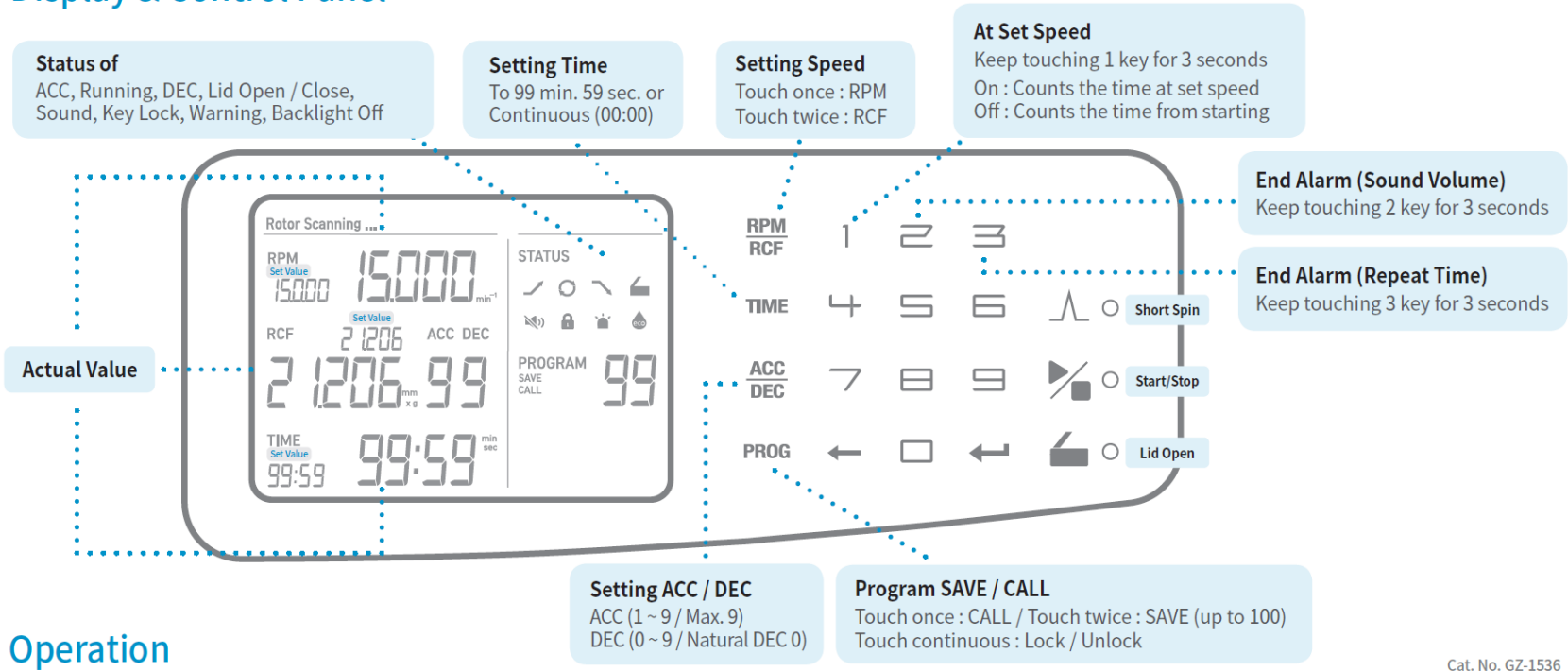


Display & Control Panel



1536 1524 大液晶控制面板

Display & Control Panel



Operation

Cat. No. GZ-1536



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mini 控制面板



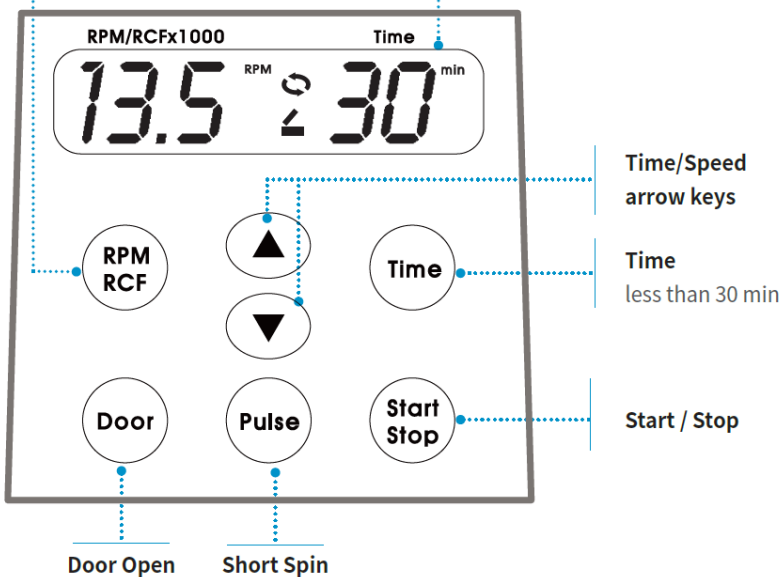
Display & Control Panel

Setting Speed

Press once : RPM | Press twice : RCF

Display Window

Status of Speed, Time, Running, Door Open / Close



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GYROZEN Multi-purpose centrifuge

- **1248R** 可做微量 30 x 2 mL 及大量 4 x 250 mL 為最暢銷的機型
- **1580R** 可離 24 x 15 mL 尖底及 4 x 750 mL 為多樣大量最佳選擇
- **1248/1580** 為非冷凍型，適用於材料、化學、化工等分離用
- **1696R** 可離 6 x 250 mL 轉速高達 16,000 rpm 是市場之冠

1248R



1580R



1248



1580



1696R



Fixed-angle



~ 16,000 RPM



2.0 mL ~ 250 mL



Swing-out



~ 5,000 RPM



2.0 mL ~ 1,000 mL

MULTI-PURPOSE CENTRIFUGES

1248/1248R/1236R

Medium throughput multi-purpose centrifuge (air ventilated / refrigerated)



[1248]
475(w) x 561(d) x 330(h) mm
40 kg

[1248R] 655(w) x 620(d) x 355(h) mm
78 kg

[1236R] 473(w) x 620(d) x 830(h) mm
110 kg

FIXED ANGLE ROTOR

MAX 12,000 rpm
MAX 16,582 xg^{(R)*}
MAX 15,520 xg

30 x 2.0 mL
24 x 15 mL
24 x 15 mL conical
8 x 50 mL
8 x 50 mL conical
6 x 85 mL

SWING-OUT ROTOR

MAX 5,000 rpm
MAX 5,394 xg

4 x 4 x MTP
4 x DWP
4 x 12 x vacuum tube
4 x 12 x 15 mL
4 x 9 x 15 mL conical
4 x 3 x 50 mL conical
6 x 100 mL
4 x 250 mL

1580/1580R

High throughput multi-purpose centrifuge (air ventilated / refrigerated)



[1580]
540(w) x 650(d) x 380(h) mm
57 kg

[1580R]
770(w) x 650(d) x 390(h) mm
93 kg

FIXED ANGLE ROTOR

MAX 15,000 rpm
MAX 25,910 xg^{(R)*}
MAX 24,249 xg

30 x 2.0 mL
24 x 15 mL
24 x 15 mL conical
8 x 50 mL
8 x 50 mL conical
6 x 85 mL
6 x 250 mL (R)*
(R)* only for 1580R

SWING-OUT ROTOR

MAX 5,000 rpm
MAX 5,394 xg

4 x 4 x MTP
4 x DWP
4 x 21 x vacuum tube
4 x 20 x 15 mL
4 x 16 x 15 mL conical
4 x 5 x 50 mL conical
6 x 100 mL
4 x 250 mL
4 x 500 mL
4 x 750 mL

1696R II

Highest throughput refrigerated multi-purpose centrifuge



775(w) x 695(d) x 395(h) mm
132 kg

FIXED ANGLE ROTOR

MAX 16,000 rpm
MAX 27,590 xg

48 x 2.0 mL
20 x 5.0 mL
12 x 15 mL conical
8 x 50 mL
8 x 50 mL conical
6 x 85 mL
6 x 250 mL

SWING-OUT ROTOR

MAX 5,000 rpm
MAX 5,394 xg

4 x 6 MTP
4 x DWP
4 x 38 x vacuum tube
4 x 29 x 15 mL
4 x 29 x 15 mL conical
4 x 13 x 50 mL conical
6 x 100 mL
4 x 2 x 250 mL
4 x 500 mL
4 x 750 mL
4 x 1,000 mL



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1248R 1248 多用途離心機

- 最高轉速12,000 rpm 有多種Angle rotor max. 6 x 85 mL, Swing rotor max. 4 x 250 mL
- 可快速在5分鐘內降溫到4度C (1248R)
- 開蓋時冷凍壓縮機自動停止，即節能又可延長使用壽命 (1248R)
- 具上蓋防落下保護設計，避免使用中受到傷害
- 可儲存100組參數
- 速度到達設定轉速才開始計時
- 具PULSE 功能for quick spin
- 離心進行中可更改參數也可鎖定
- 電動開蓋關蓋，操作很輕鬆

1248R



8 X 50/15mL 尖底管
10,000 rpm / 12,298 xg



36 X 15mL 尖底管
4,000 rpm / 3,134 xg



1248

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1580R 1580 大容量離心機

- 有多種Angle and Swing rotor 可供選擇 , max. 4 x 750 mL
- 可快速在5分鐘內降溫到4度C (1580R)
- 開蓋時冷凍壓縮機自動停止 , 即節能又可延長使用壽命 (1580R)
- 具上蓋防落下保護設計 , 避免使用中受到傷害
- 可儲存100組參數
- 速度到達設定轉速才開始計時
- 具PULSE 功能 for quick spin
- 離心進行中可更改參數也可鎖定
- 電動開蓋關蓋 , 操作很輕鬆

1580R



8 X 50/15mL 尖底管
15,000 rpm / 25,910 xg



64 X 15mL 尖底管
3,600 rpm / 2,898 xg



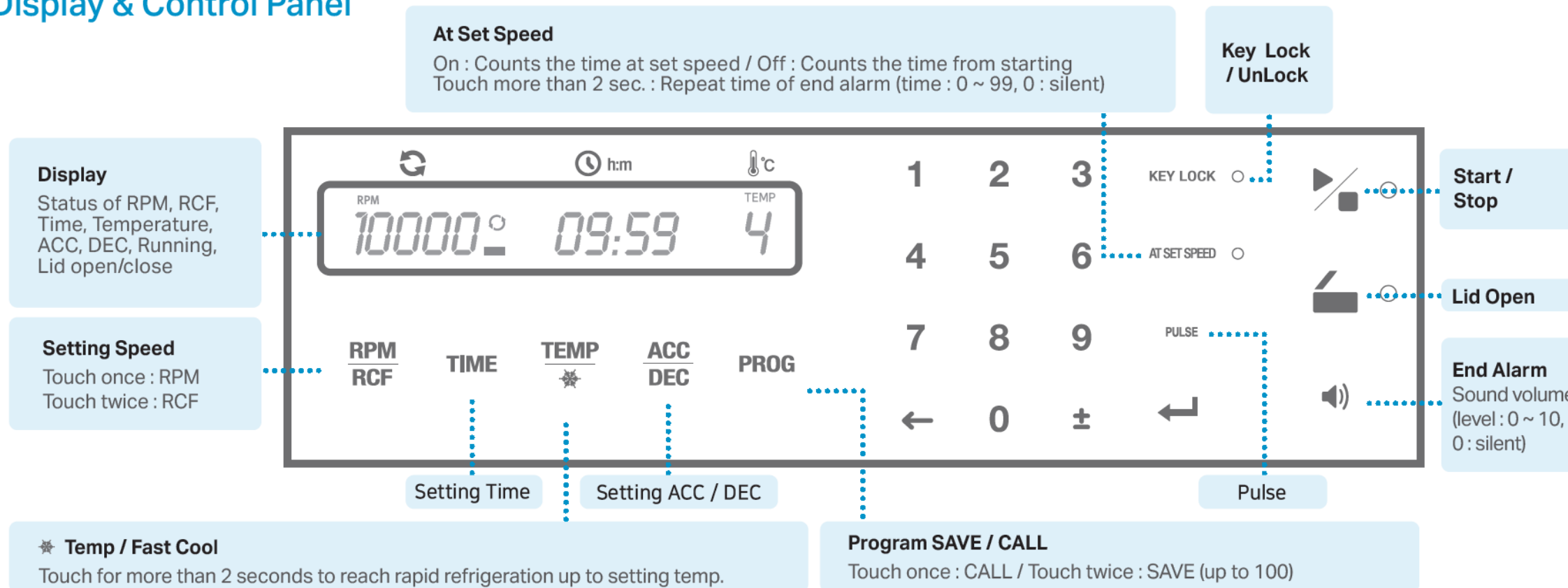
1580

1248R 1580R 624R

多功能控制面板



Display & Control Panel

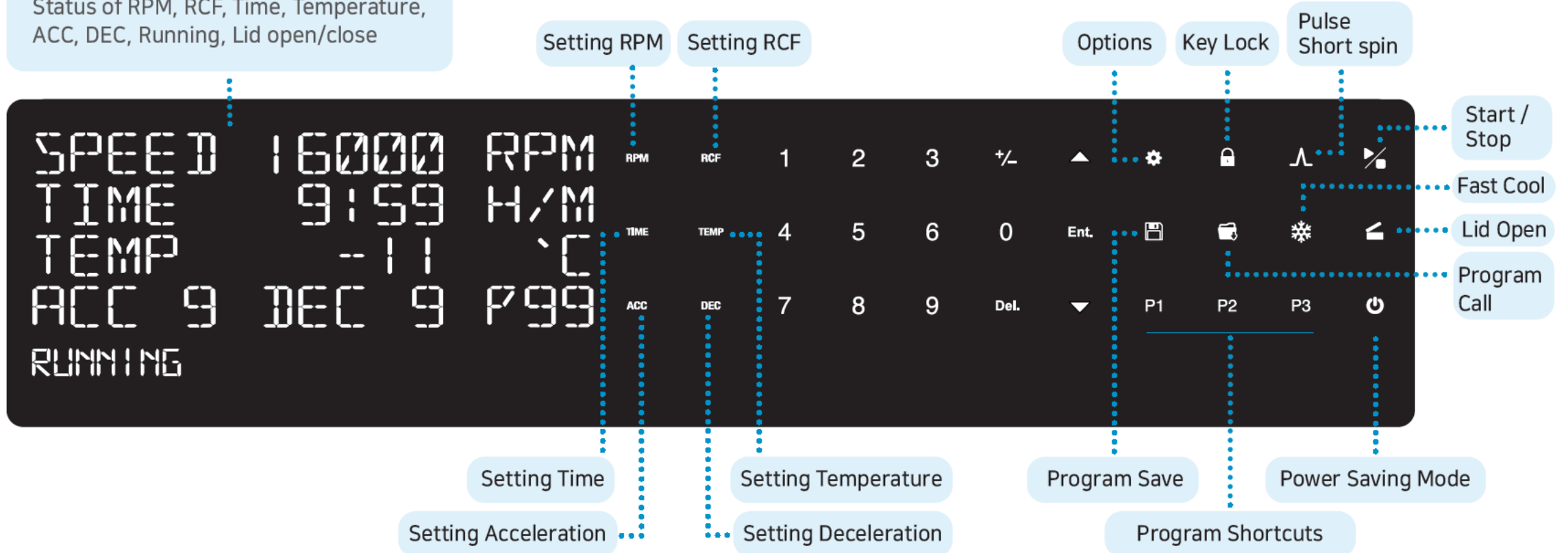


1696R 控制面板



Display

Status of RPM, RCF, Time, Temperature, ACC, DEC, Running, Lid open/close



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High-speed centrifuge

- **1736R** 落地型不佔空間可移動，可離 30 x 2mL ~ 6 x 500 mL，轉速高達 17,000 rpm / 32,310 x g 是同類型之領先機種
- **2236R** 專為生技產業所喜愛，可一次離心 6 x 1,000 mL，轉速達 22,000 rpm，並採用 7" LCD 彩色觸控螢幕，操作更容易，具密碼鎖定功能，可進行使用者管理



Fixed-angle



~ 22,000 RPM



2.0 mL ~ 1,000 mL



Swing-out



~ 5,000 RPM



2.0 mL ~ 250 mL

2236R



1736R



HIGH CAPACITY, HIGH-SPEED CENTRIFUGES

1736R

High speed, compact refrigerated centrifuge



475(w) x 620(d) x 830(h) mm
110 kg

FIXED ANGLE ROTOR
MAX 17,000 rpm
MAX 32,310 xg

30 x 2.0 mL
12 x 15 mL
12 x 15 mL conical
8 x 50 mL
8 x 50 mL conical
6 x 85 mL
6 x 250 mL
6 x 500 mL

SWING-OUT ROTOR
MAX 5,000 rpm
MAX 5,394 xg

4 x 4 MTP
4 x DWP
4 x 12 x vacuum tube
4 x 12 x 15 mL
4 x 9 x 15 mL conical
4 x 3 x 50 mL conical
4 x 250 mL

2236R

High speed, high capacity centrifuge for multi-users core facilities



824(w) x 634(d) x 1,049(h) mm
240 kg

FIXED ANGLE ROTOR
MAX 22,000 rpm
MAX 54,111 xg

30 x 2.0 mL
12 x 15 mL
12 x 15 mL conical
8 x 50 mL
8 x 50 mL conical
6 x 85 mL
6 x 250 mL
6 x 500 mL
6 x 1,000 mL

SWING-OUT ROTOR
MAX 5,000 rpm
MAX 5,394 xg

4 x 4 MTP
4 x DWP
4 x 12 x vacuum tube
4 x 12 x 15 mL
4 x 9 x 15 mL conical
4 x 3 x 50 mL conical
4 x 250 mL



GYROZEN

QUALITY | RELIABILITY | VALUE

2236R 大液晶全彩觸控面板

Display & Control Panel

Information
Touch a part of [i] to check main/display board version, brand and model name.

Settings
Touch a part of [gear] to set volume, touch calibration, clock and password.

Setting Speed
Touch a part of [SPEED].

Setting ACC / DEC
Touch a part of [ACC] or [DEC]
ACC (1 ~ 9 / Max. 9)
DEC (0 ~ 9 / Natural DEC 0)

Rotor
Information of installed rotor (rotor number)

Menu
Touch a part of [MENU] to set program, multi steps and check history.

Actual Status
During "RUNNING" period, the actual speed (RPM) with g-force and remaining time are shown numerically and graphically.

Start / Stop
Start / Stop operation

Fast Cool
Touch a part of [FAST COOL] for fast temp function.

Setting Time and At Set Speed
Touch a part of [TIME].
To 99 hr. 59 min. 59 sec.
or Continuous (00:00:00)
At Set Speed ON / OFF
ON : At Set Speed / OFF : Normal

Actual Temperature

Setting Temperature
Touch a part of [TEMP].
-20°C to 40°C

Open Door
Touch a part of [OPEN DOOR] to open the lid of centrifuge.

Date and Time
12 Aug 20 02 : 55 pm

Speed Display
SPEED min⁻¹
22,000
54,111 x g

Acceleration Display
ACC 9 DEC 9

Rotor ID
GRF-L-50-6

Temperature Display
TEMP 23°C 4^{set}°C

Speedometer
22000
STOP
54111 xg
ACCELERATING

Time Display
TIME At Set Speed
99:59:59
hour min sec

FAST COOL

OPEN DOOR



GYROZEN

QUALITY | RELIABILITY | VALUE

GYROZEN

Low-speed centrifuge

- **624R** 適用於轉速在 6,000 rpm 以下之細胞等冷凍離心使用，有 Fixed-angle 及 Swing-out 二種 Rotor 可供選擇
- **416** 與624R 相同均有二種 Rotor 可以選擇，並為價格最實惠的 Swing-out 離心機，離心力可達 2826 x g
- **406** 採用 Fixed-angle Rotor 轉速可達 4,000 rpm，價位最低



624R



416



406



Fixed-angle



~ 6,000 RPM



VT ~ 50 mL



Swing-out



~ 4,800 RPM



2.0 mL ~ 100 mL

LOW-SPEED CENTRIFUGES

406

Basic air ventilated
low speed centrifuge



296(w) x 412(d) x 206(h) mm
17.5 kg

FIXED ANGLE ROTOR

MAX 4,000 rpm
MAX 2,075 xg

12 x vacuum tube
6 x 15 mL
6 x 15 mL conical

416

Compact air ventilated
low speed centrifuge



375(w) x 480(d) x 260(h) mm
19.5 kg

FIXED ANGLE ROTOR

MAX 4,000 rpm
MAX 2,700 xg

16 x vacuum tube
16 x 15 mL
16 x 15 mL conical
10 x 50 mL
10 x 50 mL conical

SWING-OUT ROTOR

MAX 4,000 rpm
MAX 2,826 xg

2 x 2 x MTP
2 x DWP
4 x 8 x vacuum tube
4 x 3 x 15 mL conical
4 x 2 x 50 mL
4 x 2 x 50 mL conical
4 x 100 mL

624R

Compact refrigerated
low speed centrifuge



584(w) x 535(d) x 317(h) mm
65 kg

FIXED ANGLE ROTOR

MAX 6,000 rpm
MAX 3,960 xg

24 x vacuum tube
24 x 15 mL
24 x 15 mL conical
10 x 50 mL
10 x 50 mL conical

SWING-OUT ROTOR

MAX 4,800 rpm
MAX 3,888 xg

2 x 2 x MTP
2 x DWP
4 x 8 x vacuum tube
4 x 3 x 15 mL conical
4 x 2 x 50 mL
4 x 2 x 50 mL conical
4 x 100 mL

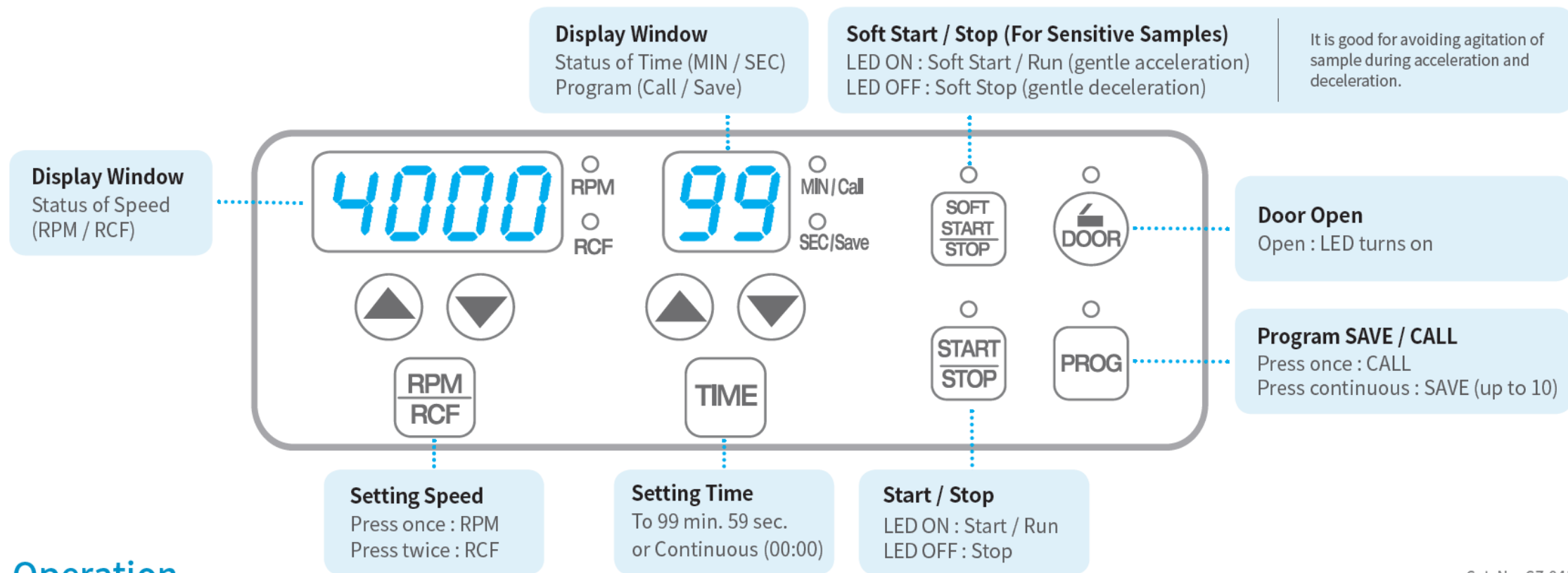
GYROZEN

QUALITY | RELIABILITY | VALUE

406 416 控制面板



Display & Control Panel



Operation

“

Be the **BEST** to the customer

Best CONFIDENT

”



GYROZEN

QUALITY | RELIABILITY | VALUE