BIOSPECTRIX PVT LTD

BSCT-1650R

BSCT-1650R is a high speed refrigerated centrifuge runs up to 16500rpm. Although the centrifuge is compact,it can runs up to 6x100ml.The centrifuge has good refrigeration system---impored compressor unit,PID dynamical temperature control. The centrifuge equipped with SHUKE RFID automatic rotor identifcation technology and imbalance detection by three axis gyroscope.



We solve two core safety risks

- Risk one:Overspeed operation
- Solution: Automatic rotor identification to prevent over speed operation

AUTOMATIC ROTOR IDENTIFICATION BY RFID

1. Static identi cation. Just put in the rotor, recognize rotor without running.
2. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit.
3. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.
4. Can recognize much more rotors

- Risk two:Unbalanced operation
- Solution: Imbalance detection in the whole operation process & automatically stop



IMBALANCE SENSOR:THREE AXIS GYROSCOPE

1. Detect imbalance in the whole operation process.
2. Adjust imbalance point automatically.
3. Automatic stop when reach imbalance point.
4. Imbalance detection is more accurate

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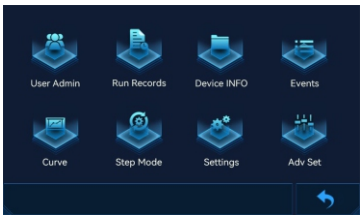
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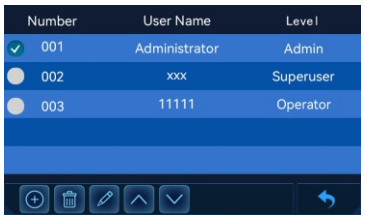
LCD TOUCH SCREEN

- Simple and clear to show all parameters
- Touch screen,easy to set parameters
- RCF can be set directly
- Intelligent status display,real-time and real values
- User can set parameters even with gloves
- User can reset parameters when rotor is spinning











FEATURES

User-friendly functions

>up to 1000 user-defned programs
>up to 100000 run histories
>up to 40 rates acceleration and deceleration,speed downs cur ely slowly from 600rpm to 0rpm to prevent samples shake
>up to 7 stages multi-stage centrifugation mode available
>up to 99h59m59s timer range, 1s increment
>Support hoortpin and continuous centrifugation
>Cure display---Speed cuue,RCF cuce and Temperature cue are displayed together,clear to see their changing and relations.

Refrigeration

>High quality compressor unit
>-20°C to +40°C ,1°C increment
>± 1°C high temperature accuracy
>CFC-free refrigerant
>PID dynamic temperature control
>Temperature sensor inside the chamber
>Star s refrigeration when power on
>Maintains refrigeration after spin
>With ECO energy-saving module
>Can set cooling stop time on door/standby

Ensure safety

>Automatic rotor identifcation by RFID
>Imbalance detection by three axis gyroscope
>Motorized electronic door lock
>Door cannot be opened when rotor is spinning
>Gas hinge to prevent door falling
>Port n the door for calibration and operation checking
>Emergency door lock release
>Password to lock the device
>User management with permission allocation
>Various protections to ensure safe centrifugation
>With never be lost electronic instruction manual

Good components

>Motor: Variable frequency motor.
stable running,maintenance free,long life
>Housing: Thick and strong steel
>Chamber: 316 stainless steel with tefon coating.
anticorrosion and easy to clean
>Rotor: Aluminum alloy fxed angle rotor;
Steel swing out rotor.
>Rotors are autoclavable

TECHNICAL DATA

Max Speed	16500rpm
Max RCF	24814xg
Max Capacity	6x100ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	± 1°C
Speed Accuracy	± 10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤ 56dB(A)
Power Consumption	1200w
Dimension	420x520x360mm
Weight	56kg

AVAILABLE ROTORS



Order No.:10101200020
Rotor:Fixed angle rotor
Capacity:12×1.5/2.2ml
Max speed:16500rpm
Max RCF:19053×g
Tube size:Φ11×42mm



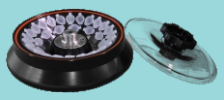
Order No.:10101200050
Rotor:Fixed angle rotor
Capacity:16x 5ml
Max speed:15000rpm
Max RCF:21420×g
Tube size:Φ14×54mm



Order No.:10102400021
Rotor:Fixed angle rotor
(aerosol tight)
Capacity:24×1.5ml/2.2ml
Max speed:16000rpm
Max RCF:24814×g
Tube size:Φ11×42mm



Order No.:10101200100
Rotor:Fixed angle rotor
Capacity:12×10ml
Max speed:14000rpm
Max RCF:18121×g
Tube size:Φ16×86mm



Order No.:10103600020
Rotor:Fixed angle rotor
Capacity:36×1.5/2.2ml
Max speed:14000rpm
Max RCF:18976×g
Tube size:Φ11×42mm



Order No.:10100600502
Rotor:Fixed angle rotor
Capacity:6×50ml
conical bottom
Max speed:12000rpm
Max RCF:15712×g
Tube size:Φ29×116mm



Order No.:10100600503
Rotor:Fixed angle rotor
Capacity:6×50ml
round bottom
Max speed:12000rpm
Max RCF:15712×g
Tube size:Φ29×111mm



Order No.:10104800020
Rotor:Fixed angle rotor
Capacity:48×1.5/2.2ml
Max speed:12000rpm
Max RCF:15793×g
Tube size:Φ11×42mm



Order No.:10100401000
Rotor:Fixed angle rotor
Capacity:4×100ml
Max speed:11000rpm
Max RCF:13365×g
Tube size:Φ38×123mm



Order No.:10100800502
Rotor:Fixed angle rotor
Capacity:8×50ml
conical bottom
Max speed:11000rpm
Max RCF:14041×g
Tube size:Φ29×116mm



Order No.:10100800503
Rotor:Fixed angle rotor
Capacity:8×50ml
round bottom
Max speed:11000rpm
Max RCF:13365×g
Tube size:Φ29×111mm



Order No.:10101200150
Rotor:Fixed angle rotor
Capacity:12×15ml
Max speed:11000rpm
Max RCF:13365×g
Tube size:Φ17×121mm



Order No.:10100600100
Rotor:Fixed angle rotor
Capacity:6×10ml
Max speed:16000rpm
Max RCF:19004×g
Tube size:Φ16×86mm



Order No.:10100800150
Rotor:Fixed angle rotor
Capacity:8×15ml
Max speed:14000rpm
Max RCF:17333×g
Tube size:Φ17×121mm



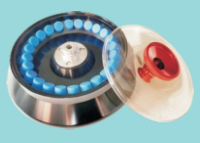
Order No.:10100600300
Rotor:Fixed angle rotor
Capacity:6×30ml
Max speed:14000rpm
Max RCF:18472×g
Tube size:Φ25.5×100mm



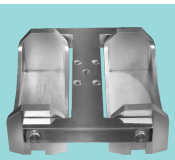
Order No.:10100800024
Rotor:Fixed angle rotor
Capacity:8x0.2ml PCR strip
Max speed:13000rpm
Max RCF:14643×g



Order No.:10100601000
Rotor:Fixed angle rotor
Capacity:6x100ml
Max speed:9000rpm
Max RCF:9771×g
Tube size:Φ38x123mm



Order No.:10102400025
Rotor:Fixed angle rotor
Capacity:24x2ml
(frozen storage tube)
Max speed:15000rpm
Max RCF:23419×g
Tube size: Φ11.5x45mm



Order No.:10000400024
Rotor:Microplate rotor
Capacity:2x2×48 well plate
Max speed:4000rpm
Max RCF:1538×g
max: 128×48x60mm