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ISO 13485:2016
ISO 9001:2015
CE FDA

2024



SHUKE CENTRIFUGE

We focus on centrifuge



SiChuan ShuKe Instrument Co.,Ltd

Brief Introduction

Sichuan Shuke Instrument Co., Ltd.,national high-tech company with over 20 years experience, is a professional manufacture specializes in R&D,production and sale of laboratory centrifuge.

Our company has self-purchased office buildings and workshops of 4000 square meters, and has more than 20 professional senior engineers. Our products are widely used in agricultural science, bioengineering, food, chemical, pharmaceutical, clinical medicine, blood bank, animal husbandry, inspection, quarantine, disease control, environmental protection, water quality testing and other scientific research and production units

Our products have obtained a number of invention patents, and have been successfully selected into the National Good Instrument and the Top 100 National General Instruments and Meters

Company advantages

- >Professional manufacturer
- >With over 20 years experience
- >Only focus on centrifuge
- >Have the ability of R&D
- >Good after-sales service
- >ISO certified
- >CE,FDA

Product advantages

- >User-friendly operating system
- >LCD touch screen
- >Variable frequency motor
- >Thick steel housing
- >Stainless steel chamber
- >RFID automatic rotor identification
- >Three axis gyroscope imbalance sensor

We solve two core safety risks

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

Automatic rotor identification by RFID

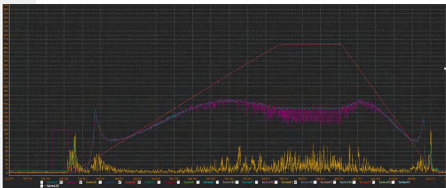
1. Automatic rotor identification,no need for user to choose rotor.
2. Static identification. Just put in the rotor, don't need to run.
3. Prevent overspeed. User cannot set RPM/RCF over the rotor's limit
4. More information. Besides rotor's max speed,centrifuge can identify information such as rotor capacity,production time and remaining life time.



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



Ventilated | High speed | Benchtop >>



Model	TG-16
Max Speed	16500rpm
Max RCF	24814xg
Max Capacity	6x100ml
Angle rotor for	1.5/2/5/10/15/30/50/100ml 0.2ml PCR tube/PCR strip
Swing out rotor for	48 well plate
Page	14



Model	TG-18
Max Speed	18000rpm
Max RCF	24814xg
Max Capacity	6x100ml
Angle rotor for	1.5/2/5/10/15/30/50/100ml 0.2ml PCR tube/PCR strip
Swing out rotor for	48 well plate
Page	16



Model	TG-20
Max Speed	20000rpm
Max RCF	27994xg
Max Capacity	6x100ml
Angle rotor for	1.5/2/5/10/15/30/50/100ml 0.2ml PCR tube/PCR strip
Swing out rotor for	48 well plate
Page	18



Model	TG-1850
Max Speed	18500rpm
Max RCF	24760xg
Max Capacity	4x500ml
Angle rotor for	1.5/2/5/10/15/50/100ml
Swing out rotor for	1.5~500ml,microplate, blood tube
Page	20



Model	TG-15
Max Speed	15000rpm
Max RCF	21630xg
Max Capacity	12x5ml
Angle rotor for	1.5/2/5ml;0.2mlPCR tube/PCR strip
Swing out rotor for	
Page	22



Model	H15S/H16S
Max Speed	15000rpm/16000rpm
Max RCF	15093xg/18262xg
Max Capacity	8x5ml
Angle rotor for	1.5/2/5ml
Swing out rotor for	
Page	23/24

Refrigerated | Low speed | Benchtop >>



Model	TDL-6M
Max Speed	6000rpm
Max RCF	5201xg
Max Capacity	4x750ml
Temperature range	-20℃~+40℃
Angle rotor for	15/50ml
Swing out rotor for	1.5~750ml,microplate, blood tube
Page	25



Model	TDL-5M
Max Speed	5000rpm
Max RCF	5201xg
Max Capacity	4x750ml
Temperature range	-20℃~+40℃
Angle rotor for	
Swing out rotor for	1.5~750ml,microplate, blood tube
Page	27



Model	TDL-6
Max Speed	6000rpm
Max RCF	5123xg
Max Capacity	4x250ml
Temperature range	-20℃~+40℃
Angle rotor for	15/50ml
Swing out rotor for	15/50/100/250ml microplate,blood tube
Page	29

Refrigerated | Low speed | Benchtop

TDL-5M

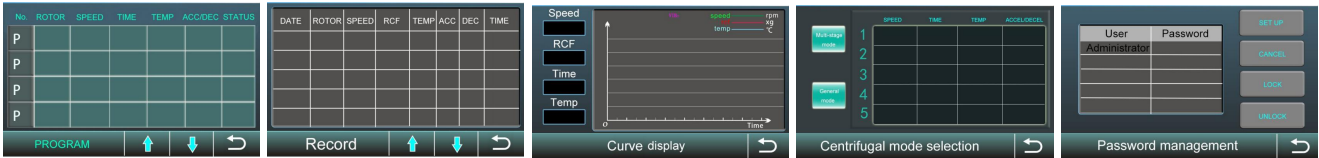


Order No.:010010501



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-defined programs, with password protection
- > up to 1000 run histories
- > up to 40 rates acceleration and deceleration, speed downs curvelly slowly from 500rpm to 0rpm to prevent samples shake
- > up to 5 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > 2 timekeeping modes: count up, count down
- > Curve display---Speed curve, RCF curve and Temperature curve are displayed together, clear to see their changing and relations.

Refrigeration

- > Imported 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
- > Starts refrigeration when power on
- > Maintains refrigeration after spin
- > With ECO energy-saving module

Ensure safety

- > Imbalance detection by three axis gyroscope
- > Motorized electronic door lock
- > Door cannot be opened when rotor is spinning
- > Gas hinges to prevent door falling
- > Port in the door for calibration and operation checking
- > Emergency door lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation

Good components

- > Motor: Variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- > Rotors are autoclavable

TECHNICAL DATA

Model	TDL-5M	Speed Accuracy	±10rpm
Max Speed	5000rpm	Time Setting	1s ~ 99h59m59s
Max RCF	5201xg	Noise	≤56dB (A)
Max Capacity	4x750ml	Power Consumption	1500w
Temperature Range	-20°C ~ +40°C	Dimension	600x680x420mm
Temperature Accuracy	±1°C	Weight	108kg

AVAILABLE ROTORS



Order No.:10000401000
Rotor:Swing out rotor
Capacity: 4×100ml
Max speed:5000rpm
Max RCF:4650×g
Tube size:Φ38×114mm



Order No.:10000400500
Rotor:Swing out rotor
Capacity: 4×50ml
Max speed:5000rpm
Max RCF:4650×g
Tube size:Φ30×116mm



Order No.:10003200150
Rotor:Swing out rotor
Capacity: 32×15ml
Max speed:4000rpm
Max RCF:2980×g
Tube size:Φ17×121mm



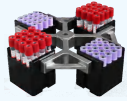
Order No.:10000800500
Rotor:Swing out rotor
Capacity:8×50ml
Max speed:4000rpm
Max RCF:2980×g
Tube size:Φ30×116mm



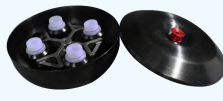
Order No.:10000801000
Rotor:Swing out rotor
Capacity:8×100ml
Max speed:4000rpm
Max RCF:2980×g
Tube size:Φ38×114mm



Order No.:10004800077
Rotor:Swing out rotor
Capacity:48×2~7ml blood tube
Max speed:4000rpm
Max RCF:3100×g
Tube size:Φ13×75~100mm



Order No.:10006400077
Rotor:Swing out rotor
Capacity:64×2~7ml blood tube
Max speed:4000rpm
Max RCF:3100×g
Tube size:Φ13×75~100mm



Order No.:10000402500
Rotor:Swing out rotor
Capacity:4×250ml
Max speed:5000rpm
Max RCF:5201×g
Tube size:Φ63×111mm

A d a p t e r	Capacity	Order No.
	8×50ml	10200800502
	4×100ml	10200401000
	36×10ml	10203600100
	40×7ml	10204000077
	20×15ml	10202000150



Order No.:10000600024
Rotor:Microplate rotor
Capacity:2×3×96 well plate
Max speed:4000rpm
Max RCF:1971×g
max: 128×87×60mm



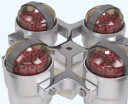
Order No.:10000405000
Rotor:Swing out rotor
Capacity:4×500ml
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ80×137mm



Order No.:10201600500(normal)
Order No.:10201600501(aerosol tight)
Adapter(normal)
Adapter(aerosol tight)
Capacity:16×50ml
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ29×116mm



Order No.:10203600150(normal)
Order No.:10203600151(aerosol tight)
Adapter(normal)
Adapter(aerosol tight)
Capacity:36×15ml
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ17×121mm



Order No.:10207600077(normal)
Order No.:10207600071(aerosol tight)
Adapter(normal)
Adapter(aerosol tight)
Capacity:76×2~7ml blood tube
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ13×75~100mm



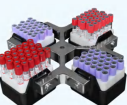
Order No.:10002000500
Rotor:Swing out rotor
Capacity:20×50ml
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ29.5×116mm



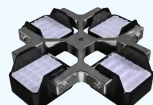
Order No.:10004000150
Rotor:Swing out rotor
Capacity:40×15ml
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ17×121mm



Order No.:10008000107
Rotor:Swing out rotor
Capacity:80×10ml blood tube
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ15×100mm



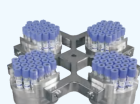
Order No.:10011200077
Rotor:Swing out rotor
Capacity:112×2~7ml blood tube
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ13×75~100mm



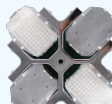
Order No.:10010000020
Rotor:Swing out rotor
Capacity:100×1.5ml
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ11×42mm



Order No.:10014800050
Rotor:Swing out rotor
Capacity:148×5ml RIA tube
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ13×75~100mm



Order No.:10009600077
Rotor: Swing out rotor
Capacity:96×2~7ml blood tube
Max speed:4200rpm
Max RCF:3551×g
Tube size: Φ13×75~100mm



Order No.:10000800024
Rotor:Microplate rotor
Capacity:4×2×96 well plate
Max speed:4200rpm
Max RCF:3551×g
max: 128×87×60mm



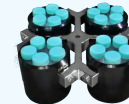
Order No.:10000402502
Rotor:Swing out rotor
Capacity: 4×250ml
conical bottom
Max speed:4200rpm
Max RCF:3551×g
Tube size:Φ60×164mm



Order No.:10000407500
Rotor:Swing out rotor
Capacity:4×750ml
Max speed:4000rpm
Max RCF:3500×g
Tube size:Φ100×141mm



Order No.:10201201000
Adapter
Capacity:12×100ml
Max speed:4000rpm
Max RCF:3500×g
Tube size:Φ38×114mm



Order No.:10202000500
Adapter
Capacity:20×50ml
Max speed:4000rpm
Max RCF:3500×g
Tube size:Φ29×116mm



Order No.:10202800500
Adapter
Capacity:28×50ml
Max speed:4000rpm
Max RCF:3500×g

Tube size:Φ29×116mm

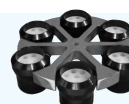


Order No.:10205600150
Adapter
Capacity:56×15ml
Max speed:4000rpm
Max RCF:3500×g

Tube size:Φ17×121mm



Order No.:10209600077
Adapter
Capacity:96×2~7ml blood tube
Max speed:4000rpm
Max RCF:3500×g
Tube size:Φ13×75~100mm



Order No.:10000602500
Rotor:Swing out rotor
Capacity:6×250ml
Max speed:4000rpm
Max RCF:3581×g

Tube size:Φ63×111mm

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