

# SCANSPEED

Centrifuges - From Simple Separation to Sequencing



## SCANSPEED MINI MINIMAX MAXICOOL

### MICRO-TUBE CENTRIFUGES

High Speed Micro-sample Centrifuges  
with or without cooling

#### LOW NOISE LEVEL

52dBa with airflow  
damping and  
elimination of heat  
transfer to samples

#### HIGH G-FORCE

High g-force 27,237 x g  
for fast centrifugation  
and efficient separation

#### FAST HIGH COOLING CAPACITY

Lowest temperature -20°C  
and cooling down to +4°C in  
5 minutes for extended life  
and faster, safe operation of  
bio-samples

# THE SCANSPEED MICRO-SAMPLE “FAMILY” OFFERS

The ideal high speed centrifuges for micro-sample applications, including biological sample separations of cellular materials, RNA/DNA and peptides. The Micro-Sample “Family” offers complete flexibility and versatile usage, with low noise levels, less than 52dBa and with high capacity for 30 x 1.5 mL samples and high g-force of up to 27.237 x g. Rapid cooling with all “R” models down to + 4°C in 5 minutes and lowest temperature of -20°C guarantees a fast start-up without the need for pre-cooling, even with large sample loads. This contributes significantly to the extended operational life-time of the centrifuge.



## CONVENIENCE EASE OF OPERATION



### PULSE OPERATION

Pulsing control for fast and easy centrifugation



### TIME CONTROLS

Timed operation runs up to 99 minutes or continuous operation



### INTUITIVE DISPLAY

Intuitive display with easy to follow controls



### FAST COOL

Fast cooling for rapid pre-cooling of the centrifuge down to 4°C in 5 minutes

## SAFETY & DURABILITY



### TRIPLE LAMINATED DOOR

The triple laminated door construction (ABS/Steel) decreases heat and noise transmissions and increases overall operational safety



### LOW BACKGROUND NOISE

Noise minimising with air-cooling flow configuration, motivates an efficient air flow and reduces rotational frictions



### SAFETY LID-LOCK and LID-DROP PROTECTION

The door is automatically locked during rotation and released with stopping



### AUTOCLAVABLE

Corrosion resistant, light weight rotors ensures optimal safety and operational longevity





**INTUITIVE  
CONTROL**  
.....  
**EASY TO READ  
DISPLAY**  
.....

*On all models*

# SCANSPEED MINI

The smallest and quietest high speed micro-centrifuge



## KEY FEATURES

➤ Compact design with automatic door release	➤ Patented unique air-flow design
➤ Max. 13,500 rpm/12,300 g, Time setting to 30 min	➤ Strong steel layered door with auto-lock function
➤ Rapid acceleration and deceleration	➤ Snap-fit, autoclavable rotor
➤ LCD display of speed and time remaining	➤ Complete with autoclavable 12-place fixed angle micro-rotor, plastic rotor lid, and 12 adaptors for 0.2 mL PCR tube
➤ "Pulse" key for quick runs	➤ Optional PCR rotor for 4 strips
➤ Automatic RPM/RCF conversion	➤ Optional adaptors for 0.5 mL microtubes
➤ Alarms for over-speed and over-heat	

## TECHNICAL SPECIFICATIONS

MAX. RPM	13,500 rpm
MAX. RCF	12,300 x g
MAX. CAPACITY	12 x 1.5/2.0 mL, 4 PCR strips
TIME CONTROL	Pulse or timed ≤30 min
RCF/RPM CONVERSION	Yes
NOISE LEVEL (DEPENDENT ON ROTOR)	≤48 dBA
ACC. TIME TO MAX. SPEED	≤12 sec
DEC. TIME FROM MAX.	≤16 sec
DISPLAY	Blue LCD
SAFETY LID LOCK	Yes
LID DROP PROTECTION	Yes
AUTOMATIC DOOR RELEASE AT COMPLETION	Yes
POWER SUPPLY	220-240V/50-60 Hz (110V optional)
POWER REQUIREMENT	110 VA
DIMENSION (W x D x H)	208 x 245 x 145 mm
WEIGHT WITHOUT ROTOR	4.4 kg
CE MARK	Yes

7.601.314.101 (230V) 7.601.314.801 (115V)	MINI-MICROCENTRIFUGE (220V, 50/60HZ) WHITE	●
Includes Fixed Angle Rotor GRF-m2.0-12 & 12 adaptors for 0.2 mL		
7.601.314.103	MINI-MICROCENTRIFUGE (220V, 50/60HZ) PINK	●
Includes Fixed Angle Rotor GRF-m2.0-12 & 12 adaptors for 0.2 mL		
7.601.314.102	MINI-MICROCENTRIFUGE (220V, 50/60HZ) BLUE	●
Includes Fixed Angle Rotor GRF-m2.0-12 & 12 adaptors for 0.2 mL		
7.600.111.090	PCR Rotor, GRA-s0.2-32 for PCR strips, 4-rows	32 x 0.2 mL
7.600.113.020	0.5 mL Adaptor for microtubes rotors	0.5 mL/ea

# ROTORS FOR MINI

microtube rotor of mini with plastic lid for 12 microtubes is included in the Mini  
an angle rotor PCR-tube rotor of Mini for 4-rows of PCR strip tubes is optional



## A FIXED ANGLE

microtube rotor of mini with plastic lid for 12 microtubes



## AN ANGLE ROTOR

an angle rotor PCR-tube rotor of mini for 4-rows of PCR strip tubes



## 0.2 mL ADAPTOR

for 0,2mL microtubes a set of 12 pieces are included in the Mini



## 0.5 mL ADAPTOR

for 0,5mL microtubes please order optional 12 pieces if required

### Rotors for Mini

CAT NO	PRODUCT	CAPACITY	MAX. SPEED RPM	MAX RCF x G
7.600.111.130	A Fixed Angle Microtube Rotor of mini with plastic lid for 12 microtubes	12 x 1.5/2.0 mL	13.500	12.300
7.600.111.090	An Angle Rotor PCR-tube Rotor of mini for 4-rows of PCR strip tubes	32 x 0.2 mL	6.000	1.850
7.600.113.010	Adaptor for microtube rotors	0.2 mL		
7.600.113.020	Adaptor for microtube rotors	0.5 mL		



# SCANSPEED MINIMAX

The smallest and quietest high speed micro-centrifuge



## KEY FEATURES

- Robust design with automatic door release
- Max. 15,000 rpm/21,206 g, Time setting to 99 min 59 sec or continuous
- 5 acceleration ramps and 6 deceleration ramps
- LCD display of speed, remaining time, and ACC/DEC ramp
- "Pulse" key for quick runs
- Automatic RPM/RCF conversion
- Automatic recognition and alarms for imbalance, over-speed and over-heat
- Program memory for up to 100 programs
- Strong steel layered door with auto-lock function
- 24-place, snap-fit, autoclaveable rotor with plastic lid
- Optional PCR rotor for 4 strips
- Optional adaptors for 0.2 mL and 0.5 mL micro-tubes



## TECHNICAL SPECIFICATIONS

MAX.	RPM 15,000 rpm
MAX. RCF	21,206 x g
MAX. CAPACITY	24 x 1.5/2.0 mL, 4 PCR strips
TIME CONTROL	Pulse, Timed <100min. or continuous
RCF/RPM CONVERSION	Yes
NOISE LEVEL (DEPENDENT ON ROTOR)	≤52 dBA
ACCELERATION RAMP	5
DECELERATION RAMP	6
PROGRAM MEMORY	100
IMBALANCE CUTOFF	Yes

DISPLAY	Blue LCD
SAFETY LID LOCK	Yes
LID DROP PROTECTION	Yes
AUTOMATIC DOOR RELEASE AT COMPLETION OF RUN	Yes
POWER SUPPLY	220-240V/50-60 Hz (110V optional)
POWER REQUIREMENT	440 VA
DIMENSION (W x H x D)	240mm x 230mm x 365mm
WEIGHT WITHOUT ROTOR	18 kg
CE MARK	Yes
CAT. NO. 7.652.314.201 / 7.652.314.801	230V / 115V

# ROTORS FOR MINIMAX

microtube rotor of mini with plastic lid for 12 microtubes is included in the Mini  
an angle rotor PCR-tube rotor of Mini for 4-rows of PCR strip tubes is optional



## A FIXED ANGLE

microtube rotor with autoclavable plastic lid for 24 x 1.5mL microtubes



## 0.2 mL ADAPTOR

for 0,2mL microtubes a set of 24 pieces are included in the MiniMax



## A FIXED ANGLE

PCR-tube rotor for 4 rows of PCR strips, no lid



## 0.5 mL ADAPTOR

for 0,5mL microtubes please order optional 24 pieces if required

### Rotors for MiniMax

CAT NO	PRODUCT	CAPACITY	MAX. SPEED RPM	MAX RCF x G
7.605.111.160	Fixed Angle Microtube Rotor with plastic lid for 24 x 1,5 mL microtubes	24 x 1.5/2.0 mL	15.000	21.206
7.605.314.110	Fixed Angle PCR-tube Rotor for 4 rows of PCR strips, no lid included	32 x 0.2 mL	15.000	14.187
7.600.113.010	Adaptor for microtube rotors	0.2 mL/ea		
7.600.113.020	Adaptor for microtube rotors	0.5 mL/ea		















# SCANSPEED MAXICOOL

The smallest and quietest high speed micro-centrifuge



## TECHNICAL SPECIFICATIONS

### KEY FEATURES

 Robust design with automatic door release	 Automatic rotor recognition and alarms for imbalance, over-speed and over-heat
 Max. 17,000 rpm/27,237 g, Time setting to 99 min 59 sec or continuous, Temp set to -20°C	 Programme memory for up to 100 distinct programmes
 Fast Cool down function - reach 4°C within 5 minutes	 Strong, triple laminated ABS/Steel door with auto-lock function
 5 acceleration ramps and 6 deceleration ramps	 Compressor cut-out when door is open, minimising frosting
 LCD display of speed, remaining time, and temperature	 Environment friendly refrigerant
 "Pulse" key for quick runs	 Select a 24 or 30 position, autoclavable rotor with O-ring sealed lid
 Automatic RPM/RCF conversion	 Select 8 strip PCR rotor



# ROTORS FOR MAXICOOL

microtube rotor of mini with plastic lid for 12 microtubes is included in the Mini  
an angle rotor PCR-tube rotor of Mini for 4-rows of PCR strip tubes is optional



## A FIXED ANGLE

microtube rotor with aluminium lid and O-ring for aerosol tight operation and safety for 24 microtubes



## A FIXED ANGLE

microtube rotor with aluminum lid for 30 microtubes



## A FIXED ANGLE

PCR-tube rotor of for 8 rows of PCR strips, no lid



## 0.2 mL ADAPTOR

0.2ml microtubes, please order optional 24 pieces if required



## 0.5 mL ADAPTOR

for 0,5 mL microtubes please order optional 24 pieces if required

### Rotors for MaxiCool

CAT NO	PRODUCT	CAPACITY	MAX. SPEED RPM	MAX RCF x G
7.602.111.130	Fixed Angle Microtube Rotor with aluminum lid including O-ring for 24 1.5ml microtubes	24 x 1.5/2.0 mL	17.000	27.237
7.602.111.140	Fixed Angle Microtube Rotor with aluminum lid for 30 1,5 mL microtubes	30 x 1.5/2.0 mL	14.000	21.124
7.602.111.290	Fixed Angle PCR-tube Rotor for 8 rows of PCR strips, no lid included	64 x 0.2 mL	12.500	11.722
7.600.113.010	Adaptor for microtube rotors	0.2 mL		
7.600.113.020	Adaptor for microtube rotors	0.5 mL		



**QUALITY  
DESIGN FEATURES  
THAT ENHANCES**  
.....  
*Performance, Operation  
and Practicality,*  
*gives a new dimension  
to centrifugation*  
.....

## TECHNICAL SPECIFICATIONS

MAX. RPM	17,000 rpm
MAX. RCF	27,237 x g
MAX. CAPACITY	30 x 1.5/2.0 mL, 8 PCR strips
TEMP. RANGE	-20° to 40°
FAST COOL CONTROL	Yes
COOL DOWN RATE	to 4°C in 5 minutes
TIME CONTROL	Pulse, timed < 100 min, or continues
RCF/RPM CONVERSION	Yes
NOISE LEVEL (DEPENDENT ON ROTOR)	≤54 dBA
ACCELERATION RAMP	5
DECELERATION RAMP	6
PROGRAMME MEMORY	100

ROTOR IDENTIFICATION	Automatic
IMBALANCE CUT OUT	Yes
DISPLAY	Blue LCD
SAFETY LID LOCK	Yes
LID DROP PROTECTION	Yes
POWER SUPPLY	220-240V/50-60Hz 110V optional
POWER REQUIREMENT	2.0 KVA
DIMENSION (W X D X H)	310 x 620 x 265 mm
WEIGHT WITHOUT ROTOR	43 kg
CE MARK	Yes
CAT. NO. 7.621.318.101 / 7.621.318.801	230V / 115V

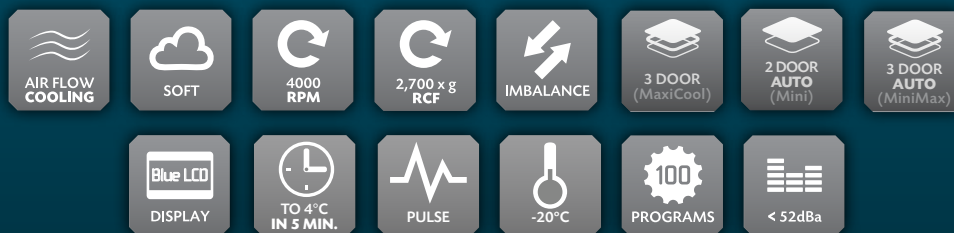


DESIGNED  
TO SUIT YOUR  
**EXACT NEEDS**

*Special rotors or adaptors can be  
made to specific requirements*

.....  
Contact us for details  
.....

# KEY FEATURES



## THE BEST FUNCTIONAL QUALITY

- Manufactured and tested to IEC standards
- Stable rotation speeds operating within +/- 2% variation
- Steady and soft deceleration with dynamic brake technology
- Automatic detection and alarms for imbalance, excess speed and heating
- Unique internal air flow design that protect heating of samples
- Unique internal air flow design protects samples from heating up
- Temperature setting of refrigerated model down to -20°C
- Fast Cool function 4°C in 5 minutes for fast start up and fast cool down of sample

## CONVENIENCE IN OPERATION

- Easy to read LCD display with bright white lettering on a blue LCD background
- Time control of pulse, timed, and continuous
- Automatic RPM/RCF conversion
- Door with viewing window, allows visual check of rotor motion
- Rotors with symmetrical numbering

## SAFETY AND ROBUSTNESS

- Triple laminated ABS/Steel door minimises noise and heat transmissions
- The top layer of ABS and the middle is of strong steel
- Safety lock mechanism prohibits door opening whilst rotor is in motion
- Door drop protection system preventing premature closing when open
- Automatic door-open function maintains a safe level of access for sample retrieval
- Emergency door-lock release, in case of a power failure or any premature stoppages
- High capacity, robust compressor ensures fast cooling of chamber and samples
- Compressor cut-out when door is open, minimises frosting
- Autoclavable and corrosion resistant light weight rotors protect samples, operators, and the lab environment from contamination and ensures easy operation
- High-quality cabinets with scratch resistant powder coated finish
- Less than +/- 2% variation in speed allows accurate control of spinning
- Steady and soft deceleration with dynamic braking technology
- Unique internal air flow design protects samples from heating up