

HSRC - 3100

High Speed Refrigerated Research Centrifuge



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► General Features:

- Sturdy and safe steel body
- Anti vibrator mounting of motor assembly and the whole centrifuge
- Specifically designed drive motor and electronics manufactured in house
- Double walled lid with see through window for observation and calibration. Electrical/Electronic /Mechanical lid lock
- Corrosion resistant stainless steel centrifuge chamber
- Hydraulic lid lifting and holding
- Control panel with soft touch key pad for ease of operation
- LCD Display of setting and working parameters
- Speed Programmable by setting required RCF value
- Display of Working speed I Working RCF value
- Remaining Time
- Rotor Head selection from system library and programmable
- Over speed protection by selecting and programing required rotor
- Imbalance detection & Auto safety switch off with error message on screen
- Programmed electronic lid lock release in case of power failure
- Safety soft start programmed to start / restart for drive motor
- At start programmed to start count down timer when the set speed attained
- Safety Lid lock programmed which allows the centrifuge to start only when lid is locked and prevent lid opening during centrifugation with 'Lid Open' error message when lid not locked.
- CFC Free cooling system with provision for fast cooling and standby cooling centrifuge chamber.

►► Specifications:

Drive Motor	Brush less AC Induction
Control system	Microprocessor with VFD Programmable
Program Memory	25 Program
Speed Range- depending on rotor head	200 to 20000 RPM
Timer	1 to 120 Minutes & infinite mode
Acceleration / Deceleration time	40 to 450 Seconds
Temperature control Range	-20°C to + 40°C (CFC Free cooling)
Working Temperature Range	-10°C to + 40°C
Pre cooling / Standby Cooling	Fast Pre cooling and standby cooling Offered

Display

Rotor Head Speed/ RCF Value
 Time
 Rotor in motion Indication
 Temperature
 Imbalance
 Lid Open
 Alarm on completion

Working Speed/ Working RCF value
 Remaining Time
 LCD Display of working speed
 Working Chamber Temperature
 Auto Switch off + Error Message
 Error Message
 Audible

Technical Data

Width x Depth x Height (mm)	860 X 580 x 520
Max. Speed (RPM)	20000
Max. RCF (g)	37000
Weight (Kgs.)	114
Connected Load (kVa)	1.75

►► **Choice of rotor head for use with centrifuge model
RC 3100 f / MP 300 R**

Model				RC 3100 F / MP 300 R	
Rotor Model	No.tube x ml	Tube Type	Type	Max.RPM	Max.RCF
3101	4 x 100	p. p. Tube	Angle	14000	221 10
3102	8X50	pp. Tube	Angle	13500	22100
3103	6X50	pp. Tube	Angle	14500	23000
3104	4X50	pp. Tube	Angle	17000	28600
3105	8 x 25	pp. Tube	Angle	15000	24000
3106	6 x 25	pp. Tube	Angle	17000	28700
3107	12x15	pp. Tube	Angle	15000	23670
3108	8 x 15	pp. Tube	Angle	16500	27200
3109	6x15	pp. Tube	Angle	20000	37000
3110	4 x 10	pp Tube	Swing out	12500	16100
3111	24 1.5/2	E endorff	Angle	20000	30500
3113	24 x05	Eppendorff	Angle	20000	29000
3114	4 x 25	pp. Tube	Swing Out	12000	16000
3115	18xi5	pp. Tube	Angle	12000	17600
3116	192 x 0.5	Eppendorff	Angle	14000	24000
3117	48 x 1.5/2	Eppendorff	Angle	15000	22100
3118	24 x 3	Vacutainer	Angle	10000	10400
3119	4 x (8X0.2)	PCR stri	Angle	11000	12180
3120	6X (8X0.2)	PCR strip	Angle	11000	12810

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HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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Our Products & Technologies



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3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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