

OIL TESTING CENTRIFUGES

SPECIALLY DESIGNED FOR OIL TESTING APPLICATIONS AS PER ASTM / IP SPECIFICATIONS



Oil Testing Centrifuge - SC 6100MH



OC 1 P & OC 2



Oil Testing Centrifuge - OC 2FH

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 epoxy coated 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 / 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.
- Inbuilt heating provided, programmable temperature range from ambient to 80°C. Separate Fuse and built in protection from overheating provided .

Technical Specifications and Programmable features:

Specifications	SC 6100MH (FLOOR MODEL)	OC 2FH (TABLETOP MODEL)
Drive Motor	Brushless AC Induction	Brushless AC Induction
Control system	Microprocessor with VFD Programmable	Microprocessor with VFD Programmable
Program Memory	99 Program	25 Program
Speed Range- depending on rotor head	100 to 3000 RPM	100 to 3000 RPM
Timer	1 to 120 Minutes & infinite mode	1 to 120 minutes & infinite mode
Acceleration / Deceleration time	40 to 450 Seconds	40 to 450 Seconds
DISPLAYS		
Rotor Head Speed/ RCF Value	Working Speed/ Working RCF value	Working Speed/ Working RCF value
Time	Remaining Time	Remaining Time
Rotor in motion Indication	Working speed LCD Display	Working speed and LCD Display
Imbalance	Auto Switch off + Error Message + LED Indication	Auto Switch off + Error Message
Lid Open	Error Message + Safe lid open LED indication	Error Message
Alarm on completion	Audible	Audible

SWING OUT ROTOR HEAD FOR USE WITH CENTRIFUGE MODEL: SC 6100 MH

Model	Capacity	Type of tests	RPM	RCF (g)
SC 6 P + SC 2002	6 Place Swing Out Rotor and carrier for use with 100 ml Pear Shaped Glass Tubes.	ASTM D 96	3000	1760
SC 6 T + SC 6104	6 Place Swing Out Rotor for 100 ml Taper bottom Glass tubes (200 mm long), Sulfonation Flasks & Babcock Bottles	ASTM-D-91, ASTM-D-96, ASTM-D-1796, ASTM-D-893, ASTM-D-483, ASTM-D-484, ASTM-D-1019,IP-75-57, IP-75-145	3000	1760

SWING OUT ROTOR HEAD FOR USE WITH CENTRIFUGE MODEL: OC 2 FH

Model	Capacity	Type of tests	RPM	RCF (g)
OC 1 P + SC 2002	4 Place Swing Out Rotor and carrier for use with 100 ml Pear Shaped Glass Tubes.	ASTM D 96	3000	1480
OC1 T + SC 2004	4 Place Swing Out Rotor for 100 ml Taper bottom Glass tubes (165 mm long), Sulfonation Flasks & Babcock Bottles	ASTM-D-91, ASTM-D-96, ASTM-D-1796, ASTM-D-893, ASTM-D-483, ASTM-D-484, ASTM-D-1019,IP-75-57, IP-75-145	3000	1481

Standard tests As per ASTM & IP Specifications:

Type of test	Specifications	Recommended	
		RPM	Time
Water & Sediment in Crude Oil	ASTM-D4007 ASTM-D-96	800	10 Mts.
Water & Sediments in Petroleum Products	IP 75	800	10 Mts.
Water & Sediments in Fuel Oil	ASTM-D-1796	800	10 Mts.
Precipitation number of Lubricating Oil	ASTM-D-91	700	10 Mts.
Stoddard Solvent	ASTM-D-483	600	10 Mts.
Olefinic Plus Aromatic Hydrocarbons in Petroleum Distillates	ASTM-D-1019	400	15 Mts.
Olefinic Plus Aromatic Contents	ASTM-D-893	700	20 Mts.
Un-sulfonated residue of Petroleum Plant	ASTM-D-483	100	10 Mts.
Residue in Liquidified Petroleum (L.P)	ASTM-D-1266/1657	800	10 Mts.
Trace sediments in Lubricating Oil	ASTM-D-287/611/86	700	10 Mts.

Technical Data:

Model	SC 6100 MH	OC 2 FH
Width x Depth x Height (mm)	650 x 700 x 745	505x580x525
Max. Speed (RPM) (No Load)	5500	5500
Max. RCF (g)	1760	1480
Weight (Kgs.)	90	70
Connected Load (kVa)	0.75	0.75

* Optional: Data Downloading through computer software using RS 232/485 port Interface.

MEDICO CENTRIFUGE



TC 815 S



TC 415 ES

A range of centrifuges for general purpose use in Pathology Labs, Small Hospitals, Schools and Colleges. The centrifuge with 5 step speed regulator is provided with Horizontal (Swing Out) Rotor Head.

Technical Data

Model	Unit	TC 415 ES	TC 615 S	TC 815 S
Max. Speed	RPM	3700	3500	3500
Max. RCF	xg	1950	1900	1900
Max. Tube Size	ml	15	15	15
Max. Capacity	ml	60	90	120
Width	mm	295	310	310
Depth	mm	295	310	310
Height	mm	250	290	290
Weight	kg	6.00	6.50	6.50
Connected Load	kVA	0.11	0.13	0.13

CLINICAL CENTRIFUGE

A range of centrifuges for general purpose use in Pathology Labs, Small Hospitals, Schools and Colleges. The centrifuge with 5 step speed regulator is provided with Fixed Angle Rotor Head. Optional Mechanical Timer of 60 minutes can be offered.

Technical Data

Model	Unit	TC 815 A	TC 245 A
Max. Speed	RPM	4500	4000
Max. RCF	xg	2050	1650
Max. Tube Size	ml	15	5
Max. Capacity	ml	120	120
Width	mm	210	210
Depth	mm	235	235
Height	mm	230	255
Weight	kg	6	6
Connected Load	kVA	0.13	0.13



TC 815 A

- Vacutainer tubes of 5ml and 6-10ml can be accommodated with above Centrifuge

PATHOLOGICAL CENTRIFUGE



TC 725 A

Model TC 725 A Centrifuge designed for Pathology Labs, Hospitals, Blood Banks etc. where large number of low volume samples are to be centrifuged. The centrifuge is provided with stepless speed regulator and 1 to 60 minutes preset timer and Fixed Angle Rotor Head to carry 5 ml disposable tubes.

Technical Data

Model	Unit	TC 725 A
Max. Speed	RPM	4000
Max. RCF	xg	2150
Max. Tube Size	ml	5
Max. Capacity	ml	360
Width	mm	300
Depth	mm	300
Height	mm	250
Weight	kg	10
Connected Load	kVA	0.22

- Vacutainer tubes of 5 ml and 6 ml can be accommodated with above Centrifuge