



Trust keeps us in uptime mode

LABTOP[®]
Quality Lab Equipment





Quality Lab Equipment

Over a decade of existence. Thousands of delivered products. Satisfied customers from over 48 countries, including the UK, US and African nations. And trust that can never be quantified!

Our clients have always seen us in uptime mode, the only thing that has remained unchanged since our inception. It is this mode that helps us ensure we reduce downtime to the bare minimum when it comes to time-critical laboratory instruments and scientific equipment.

For over a decade it has been our constant endeavour to research, improve and upgrade all components that go into the making of each of our products. By adhering to international standards, being consistent with prescribed quality norms and sustained investment in state-of-the-art manufacturing technologies Labtop has always aimed to minimize downtime to the least.

We will uphold this trust reposed on us and strive to deliver the best.

Labtop Delivers

Established in the year 1996 as Skylab Instruments & Engineering Pvt. Ltd, its brand Labtop gradually scaled up to become one of the formidable names in high quality laboratory instruments and scientific equipment. Positively influenced by the reach and reputation of the brand, Skylab gradually transitioned to be called Labtop Instruments Pvt. Ltd.

Positioned to be recognized as one of India's leading manufacturers, exporters and marketers of high quality laboratory instruments and scientific equipment, Labtop delivers. A result of years of technological research and innovation, Labtop products are reputed among leading blood banks, hospitals, research centres, pharmaceutical companies and educational institutions.



Vision

Labtop has to reach labs and blood banks in each and every corner of the world, by delivering standard quality and advanced technology instruments with prompt customer satisfaction.

Mission

- ▶ Innovation
- ▶ Quality
- ▶ Prompt Service
- ▶ On time delivery

Quality Policy

Our quality policy encompasses the complete process – from briefing and manufacturing to marketing and servicing, and is in line with the framework of applicable regulations and globally/nationally prescribed industry norms. The quality policy constitutes a customer-centric approach, is aimed at delivering value and achieving complete customer satisfaction. Updates and upgrades on the Quality Management System are extremely critical in evaluating Labtop's commitment to quality.

Labtop Blood Bank equipment are specially designed for Blood collection, process and refrigerated storage of blood and blood components, Reagents, Cultures, Blood samples at specified temperature as per FDA requirements.

CABINET CONSTRUCTION

The cabinet of Labtop Chambers are insulated with high density CFC free Poly Urethane Foam. Interior of the chambers are mirror finish stainless Steel (304 SS, 0.8 mm thick). The exterior is white powder coated (1.0 mm thick) mild steel and the door has magnetic gasket with a keyed door lock. Specially designed solid stainless steel wire mesh trays ensure even temperature distribution and storage inside. GMP models are in total stainless steel is also available on request.

REFRIGERATION SYSTEM

The cooling is effected by CFC free refrigeration system with a condensing unit located inside the chamber. Labtop condensing units are characterised by high-efficiency heat transfer and low power consumption.



SALIENT FEATURES

- ✦ CFC free refrigeration with time delay to safe guard the compressor
- ✦ Inner grooved copper tubes and slit aluminum fins for superior heat transfer
- ✦ Filter drier for moisture and dirt protection
- ✦ Safety and control devices for better system protection
- ✦ Thermally protected and permanently lubricated fan motors

PROGRAMMABLE LOGIC CONTROLLER (PLC) SYSTEM

A programmable logic controller (PLC) is a digital computer used for automation of controlling electromechanical processes, such as control of Temperature, Speed, Standby systems and event management with less maintenance hence no moving parts.



SALIENT FEATURES

- ✦ PLC with 4.3" touch screen and color Display
- ✦ Password protected Human Machine Interface (HMI)
- ✦ Data storage to record set values, process values, date & time with variable time intervals
- ✦ Display of set value and process value
- ✦ Auto changeover of standby systems and other event managements
- ✦ High speed Ethernet connectivity
- ✦ Precise control of temperature and Speed by using in PID control (auto tuning type)
- ✦ Connectivity to LABTOP DATALINX central monitoring software
- ✦ Safety controller to cut off the heater in case of over shoot of set temperature

BLOOD BANK REFRIGERATOR

Labtop Blood Bank Refrigerators are specially designed for storage of Blood and related products at 4 °C, available in 9 basic cabinet sizes, designed to fit a variety of space and storage requirements,



SALIENT FEATURES

- ↘ High quality PT-100 Sensor for better accuracy
- ↘ Micro-controller controls the internal temperature within ± 0.5 °C
- ↘ Display of set value and process value
- ↘ Audio Visual Alarm
- ↘ Password protected key-pad lock
- ↘ Castor wheels for ease of mobility
- ↘ Specially designed Stainless steel blood bag trays ensure even temperature distribution
- ↘ Directional air flow assures quick recovery after door openings
- ↘ Chamber illumination with fluorescent light

TECHNICAL SPECIFICATION

Cat. No.	LBR-100	LBR-200	LBR-300	LBR-400	LBR-600	LBR-800	LBR-1000	LBR-1500	LBR-2000
Temperature	4.0°C								
Accuracy	± 0.5 C								
Internal Dimension (WxDxH) cms	43x40x60	50x40x100	56x45x120	63x53x120	72x65x130	112x60x120	115x67x130	130x89x130	150x103x130
External Dimension (WxDxH) cms	58x72x129	65x72x169	71x77x189	78x85x189	87x97x192	137x92x192	140x99x192	155x121x192	175x135x192
Volume (Litres)	100	200	300	400	600	800	1000	1500	2000
No. of tray	3	5	6	6	6	12	12	12	12
Voltage	230 V AC / 50 Hz								

WALK IN BLOOD BANK REFRIGERATOR

Labtop walk in Blood Bank Refrigerators are available in 5 basic cabinet sizes, designed to fit a variety of space and storage requirements. The refrigerators are equipped with heavy-duty compressors and direct airflow cooling system to maintain a vital operation temperature of 4.0° C. Combine superior refrigeration technologies and precise temperature control to ensure reliable blood storage.



SALIENT FEATURES

- ↘ High load bearing capacity
- ↘ Thermal insulation
- ↘ High Water and Vapor barrier
- ↘ Easy erection and Low Maintenance
- ↘ Excellent panel joining and sealing
- ↘ Tongue-and-groove fitting
- ↘ Heavy-duty cast alloy handles and hinges
- ↘ Spring loaded door latch with door closure
- ↘ Standby refrigeration system
- ↘ PLC controlled

TECHNICAL SPECIFICATION					
Cat. No.	LBR-60WP	LBR-80WP	LBR-100WP	LBR-125WP	LBR-150WP
	LBR-60WGP*	LBR-80WGP*	LBR-100WGP*	LBR-125WGP*	LBR-150WGP*
Volume (Litres)	6000	8000	10000	12500	15000
Inner Size (WxDxH) mtrs.	1.5 x 1.5 x 2.0	2.0 x 2.0 x 2.0	2.5 x 2.5 x 2.0	2.5 x 3.0 x 2.5	3.0 x 3.0 x 2.5
Outer Size (WxDxH) mtrs.	1.66 x 1.66 x 2.16	2.16 x 2.16 x 2.16	2.16 x 2.16 x 2.16	2.66 x 3.16 x 2.66	2.66 x 3.16 x 2.66
No. of tray	16	24	32	48	48
Temperature range	4.0°C				
Accuracy	± 0.5°C				
Uniformity	± 1.0°C				
Insulation	80 mm PUF				
Control	PLC with 4.3" touch screen				

LABORATORY REFRIGERATOR

Applications include refrigerated storage of Vaccines, Reagents, Cultures, Medicines and Blood samples. Temperature range adjustable from 2.0° C to 8.0° C with micro controller based temperature controller includes digital temperature display of set value and process value, Forced air circulation for maximum temperature uniformity.



SALIENT FEATURES

- ▶ High quality PT-100 Sensor for better accuracy
- ▶ Micro-controller controls the internal temperature within ± 0.5 °C
- ▶ Display of set value and process value with Audio Visual Alarm
- ▶ Password protected key-pad lock
- ▶ Castor wheels for ease of mobility
- ▶ Specially designed Stainless steel trays ensure even temperature distribution
- ▶ Directional air flow assures quick recovery after door openings
- ▶ Chamber illumination with fluorescent light

TECHNICAL SPECIFICATION									
Cat. No.	LLR-100	LLR-200	LLR-300	LLR-400	LLR-600	LLR-800	LLR-1000	LLR-1500	LLR-2000
Temperature	2-8°C								
Accuracy	± 0.5° C								
Internal Dimension (WxDxH) cms	43x40x60	50x40x100	56x45x120	63x53x120	72x65x130	112x60x120	115x67x130	130x89x130	150x103x130
External Dimension (WxDxH) cms	58x72x129	65x72x169	71x77x189	78x85x189	87x97x192	137x92x192	140x99x192	155x121x192	175x135x192
Volume (Litres)	100	200	300	400	600	800	1000	1500	2000
No. of tray	2	3	4	4	4	8	8	8	8
Voltage	230 V AC / 50 Hz								

BLOOD BANK REFRIGERATED CENTRIFUGE

LABTOP PLC controlled Blood Bank Refrigerated centrifuges are designed for separating blood and blood components from whole blood like platelet, plasma, RBC and cryoprecipitate and it is ideal for Blood bank, Hospital, Clinical Research Laboratories, Pharmaceutical Industries, Research Laboratories, Biotechnology and Vaccine manufacturing industry. Electronic motorised door lock and facility to open in case of power failure, RCF can be set according to user requirement, acceleration and deceleration time can be set as per requirement and Imbalance and auto cut off, Safe door open and Mechanical lid lock for increased safety.



SALIENT FEATURES

- Display of set value and process value
- 99 Program Memories
- Pre cooling at 4°C / 22°C
- Diagnostic mode with messages
- Display of rpm and rcf
- Maintenance free Brush less induction motor
- Variable speed drive
- Motorised Double door lock for better safety
- Minimum Acceleration time
- Imbalance cut off with audio visual alarm
- 10 acceleration and deceleration programs
- Safely interlock to prevent door opening during centrifugation

TECHNICAL SPECIFICATION

Cat. No.	LBC-12	LBC-6
Maximum Speed (rpm)	4600	4200
Speed accuracy (rpm)	± 20	
Maximum RCF (g)	7060	5180
Temperature Range(°C)	-10 - +30	
Temperature accuracy (°C)	± 1.0	
Timer (min)	1-99	
Type of Rotor	Wind Shield	
Number of Blood bag Carrier	6	
Number of Blood Bags	12 x 450 ml	6 x 450 ml
Power supply (VAC)	230, Single Phase, 36 amps	
Weight (Kg)	500	240
Outer dimensions (mm)	960 x 860 x 1200 (w x d x h)	840 x 730 x 1200 (w x d x h)
Noise level (dB)	Less than 65	



PLASMA FREEZERS

Labtop micro controller based plasma freezers are designed for quick freezing and storing of plasma and related blood components at -40 (°C). These freezers are designed for Blood banks and research laboratories.



SALIENT FEATURES

- ▶ High quality PT-100 Sensor for better accuracy
- ▶ Micro-controller controls the internal temperature within ± 0.5 °C
- ▶ Display of set value and process value
- ▶ Audio Visual Alarm
- ▶ Password protected key-pad lock
- ▶ Castor wheels for ease of mobility
- ▶ Specially designed Stainless steel Plasma bag trays ensure even temperature distribution

TECHNICAL SPECIFICATION

Cat No.	LPF-90	LPF-170	LPF-290	LPF-350	LPF-450	LPF-600
Temperature (°C)	- 40.0					
Accuracy (°C)	± 2.0					
Volume (Liters)	90	170	290	350	450	600
Plasma Bags	90	170	290	350	450	600
Inner Size (WxDxH) cms.	42 x 38 x 57	49 x 42 x 85	58 x 50 x 102	58 x 51 x 120	64 x 59 x 120	75 x 67 x 120
External Size (WxDxH) cms.	58 x 58 x 127	65 x 62 x 158	74 x 70 x 180	74 x 71 x 183	80 x 79 x 183	90 x 87 x 183
Trays	2	3	3	4	4	5
Voltage	230 V AC / 50 Hz					

ULTRA PLASMA FREEZERS

Labtop micro controller based ULTRA plasma freezers are designed for quick freezing and storing of plasma and related blood components at -80 (°C). These freezers are designed for blood banks and research laboratories.



SALIENT FEATURES

- ▶ High quality PT-100 Sensor for better accuracy
- ▶ Micro-controller controls the internal temperature within ± 0.5 °C
- ▶ Display of set value and process value
- ▶ Audio Visual Alarm
- ▶ Password protected key-pad lock
- ▶ Castor wheels for ease of mobility
- ▶ Specially designed Stainless steel Plasma bag trays ensure even temperature distribution

TECHNICAL SPECIFICATION						
Cat No.	LUPF-38	LUPF-58	LUPF-158	LUPF-398	LUPF-598	LUPF-938
Temperature (°C)	-80.0	- 86.0				
Accuracy (°C)	± 5.0					
Volume (Liters)	38	58	158	398	598	938
Plasma Bags	38	58	158	398	598	938
Inner Size (WxDxH) cms.	27 x 27 x 40	36 x 40 x 40	46 x 45 x 80	55 x 63 x 114	70 x 68 x 125	100 x 70 x 133
External Size (WxDxH) cms.	47 x 49 x 112	54 x 62 x 111	70 x 70 x 158	85 x 93 x 195	94 x 95 x 192	124 x 100 x 200
Plasma Baskets	2	2	2	3	3	3
Voltage	230 V AC / 50 Hz					

PLATELET INCUBATOR

Labtop Micro controller based platelet incubators are designed to store platelet concentrates in continues motion at controlled temperature.



CE

SALIENT FEATURES

- ▶ Power socket for platelet agitator
- ▶ High quality PT-100 Sensor for better accuracy
- ▶ Micro-controller controls the internal temperature within ± 0.5 °C
- ▶ Display of set value and process value with Audio Visual Alarm
- ▶ Password protected key-pad lock
- ▶ Castor wheels for ease of mobility
- ▶ Directional air flow assures quick recovery after door openings
- ▶ Chamber illumination with fluorescent light

TECHNICAL SPECIFICATION			
Cat No.	LPI-125	LPI-250	LPI-500
Temperature (°C)	22.0		
Accuracy (°C)	± 0.5		
Volume (Liters)	125	250	500
Inner Size (WxDxH) cms	59 x 46 x 46	59 x 46 x 92	118 x 46 x 92
External Size (WxDxH) cms	73 x 72 x 115	73 x 72 x 161	146 x 72 x 161
Agitator	1	2	4
Voltage	230 V AC / 50 Hz		

PLATELET AGITATOR

Labtop platelet agitators feature the unique designed rack with high ventilation capability to allow oxygen transfer to platelets. Smooth sliding tray can be removed for cleaning as well as to enable easy removal or loading of bags in the tray. Fixed with heavy duty bearings for smooth operation when used with labtop platelet incubator and the agitator will automatically stop when the door is open.



SALIENT FEATURES

- ↘ Smooth and continues operation
- ↘ Micro controller with RPM display
- ↘ Uniform agitation ensures no platelet clumping.
- ↘ Motion failure alarm when the agitator stops

TECHNICAL SPECIFICATION		
Cat No.	LPA-36	LPA-48
Platelets Bags	36	48
Trays	6	8
Oscillation (rpm)	70	
Accuracy (rpm)	± 5	
Display	LED	
Alarm	Motion Failure Alarm	
Voltage	230 V AC / 50 Hz	

CRYOPRECIPITATE BATH

Labtop cryoprecipitate bath is designed for safe and reliable thaw of fresh frozen plasma for the recovery of cryoprecipitate at 4.0°C.



SALIENT FEATURES

- ↘ High quality PT-100 Sensor for better accuracy
- ↘ Micro-controller controls the internal temperature within ± 0.5 °C
- ↘ Display of set value and process value and Audio Visual Alarm
- ↘ Seamless Stainless Tank with round corners
- ↘ Acrylic Plasma Holder
- ↘ Circulator for Temperature Uniformity
- ↘ Password protected key-pad lock

TECHNICAL SPECIFICATION		
Cat. No.	LBP-5	LBP-20
Plasma Bags	4	15
Capacity (litres)	5	20
Inner chamber	Stainless steel 316	
Outer chamber	Mild steel epoxy coated	
Temperature (°C)	4-37	
Accuracy (°C)	±0.5	
Display	LED	
Alarm	Motion Failure Alarm	
Voltage	230 V AC / 50 Hz	

PLASMA THAWING BATH

Labtop micro controller based plasma thawing bath is table top model designed for quick thawing of frozen plasma at 37.0°C.



SALIENT FEATURES

- ▶ High quality PT-100 Sensor for better accuracy
- ▶ Micro-controller controls the internal temperature within ± 0.5 °C
- ▶ Display of set value and process value and Audio Visual Alarm
- ▶ Seamless Stainless Tank with round corners
- ▶ Acrylic Plasma Holder
- ▶ Circulator for Temperature Uniformity
- ▶ Password protected key-pad lock

TECHNICAL SPECIFICATION

Cat. No.	LTB-5	LTB-20
Plasma Bags	4	20
Capacity (litres)	5	15
Inner chamber	Stainless steel 316	
Outer chamber	Mild steel epoxy coated	
Temperature (°C)	37	
Accuracy (°C)	± 0.5	
Display	LED	
Alarm	Motion Failure Alarm	
Voltage	230 V AC / 50 Hz	

BACTERIOLOGICAL INCUBATOR

Labtop Bacteriological Incubators are specially designed to conduct general incubation, grow and maintain microbiological cultures or cell cultures. Temperature range adjustable from 5°C above ambient to 60.0°C with Micro controller based temperature controller.



SALIENT FEATURES

- ▶ High quality PT-100 Sensor for better accuracy
- ▶ Micro-controller controls the internal temperature within ± 0.5 °C
- ▶ Display of set value and process value
- ▶ Audio Visual Alarm
- ▶ Password protected key-pad lock
- ▶ Castor wheels for ease of mobility
- ▶ Specially designed Stainless steel trays ensure even temperature distribution
- ▶ Directional air flow assures quick recovery after door openings
- ▶ Chamber illumination with fluorescent light

TECHNICAL SPECIFICATION										
Cat No.	LBI-50	LBI-100	LBI-200	LBI-300	LBI-400	LBI-600	LBI-800	LBI-1000	LBI-1500	LBI-2000
Temperature	Ambient + 5 to 60 °C									
Accuracy	± 0.5 °C									
Uniformity	± 2 °C									
Internal Dimension (WxDxH) cms	40x40x35	43x40x60	50x40x100	56x45x120	63x53x120	72x65x130	112x60x120	115x67x130	130x89x130	150x103x130
External Dimension (WxDxH) cms	53x60x58	58x72x129	65x72x169	71x77x189	78x85x189	87x97x192	137x92x192	140x99x192	155x121x192	175x135x192
Volume	50	100	200	300	400	600	800	1000	1500	2000
No. of tray	1	2	3	4	4	4	8	8	8	8
Voltage	230 V AC / 50 Hz									

LABORATORY OVEN

Labtop oven is designed to provide heated condition for curing and drying for high temperature testing with high accuracy and superior quality.



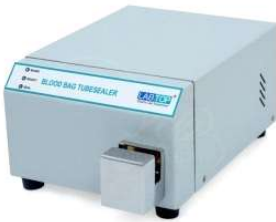
SALIENT FEATURES

- ↘ Ceramic Glass wool insulation ensures temperature stability and reduced power consumption
- ↘ Specially designed solid stainless steel wire mesh trays ensure even temperature distribution
- ↘ High quality PT-100 Sensor for better accuracy
- ↘ Micro-controller controls the internal temperature within ± 0.5 °C
- ↘ Display of set value and process value
- ↘ U shaped SS nichrome wire air heater

TECHNICAL SPECIFICATION					
Cat No.	LLO-50	LLO-90	LLO-120	LLO-200	LLO-325
Temperature range (°C)	RT+5 - 250				
Accuracy (°C)	± 1.0				
Volume (Liters)	50	90	120	200	325
Inner Size (WxDxH) cms.	40x40x35	45x45x45	45x45x60	60x60x60	60x60x90
External Size (WxDxH) cms.	61x66x90	66x71x100	66x71x111	81x89x115	81x89x148
No. of Trays	1	2	3	3	4
Voltage	230 V AC / 50 Hz				

BLOOD BAG TUBE SEALER

Labtop Blood bag tube sealer is a compact equipment to seal the blood bag pilot tube by radio frequency sealing system. Sealing can be achieved in less than 1.5 seconds per tube by simple operation. Sealed tube can be easily separated by pulling the sealing section from both sides.



SALIENT FEATURES

- ↘ Radio Frequency Sealing
- ↘ Compatible with Blood bags of various brand
- ↘ Easily accessible electrodes for cleaning and disinfecting
- ↘ Splash guard providing protection against blood splashes
- ↘ Easy separation of the tube segments after sealing

TECHNICAL SPECIFICATION		
Cat No.	LTS-4	LTS-5
Oscillation Frequency	40.68	
Radio frequency output	15 W	
Sealing Time	Less than 1.5 sec.	
Power consumption	80 VA	100 VA
Weight	4 Kgs.	5 Kgs.
Battery backup	Nil	700 Seals
Voltage	90 - 270 V AC / 50 - 60 Hz	

BLOOD DONOR COUCH

Labtop micro controller based Blood Donor Couch is designed to provide a comfortable position for the donor. Donor position can be easily shifted from up right body position. All surface of the couch are smooth, easily accessible and can be kept clean. Electrical and mechanical accessories are housed inside the structure making the product safer. Seat elements are designed with ergonomic consideration to maximise donor comfort. The donor couch has specially designed trays on which accessories like BP apparatus, Blood collection monitor etc.. can be placed thereby making it convenient for the donor.



SALIENT FEATURES

- ↘ Based on hemodynamic principle
- ↘ Tilt and height adjustment can be done by using remote control
- ↘ Interface to Labtop Blood collection monitor
- ↘ Ensuring safety and comfort of donor
- ↘ Castor wheel with locking
- ↘ Facility for blood collection for both sides

TECHNICAL SPECIFICATION			
Cat No.	LDC-10	LDC-11	LDC-12
Lifting Capacity	150 Kg.		
Control	Remote		
Power Consumption	100 W		
Actuators	1	2	
Length of Seat	210 cms.		
Width of Seat	67 cms.		
Thickness of Seat	10 cms.		
Length of arm rest	60 cms.		
Width of arm rest	15 cms.		
Battery back up	Nil		2-3 hrs.
Power Supply	230 V AC / 50 Hz		

BLOOD COLLECTION MONITOR

Labtop blood collection monitor is a compact instruments to provide smooth and gentle rocking movement to facilitate homogeneous mixing of blood with anticoagulant to avoid clotting during collection of blood from a donor.

SALIENT FEATURES

- ✔ Volume can be set in 1 ml increments
- ✔ Provision of pausing the collection and changing programmed volume during pause
- ✔ Micro controller based program
- ✔ Display of Weight, Volume and Time taken for collection
- ✔ Auto tare facility
- ✔ Motor activated clamping at the end of the collection
- ✔ Audio-visual alarm in case of any abnormal condition
- ✔ User friendly massages
- ✔ Diagnostic mode massages for technical analysis
- ✔ Automatic Alarm functions if the flow rate is less than 20 ml per minute during the blood collection



TECHNICAL SPECIFICATION		
Cat. No.	LCM-13	LCM-14
Speed (rpm)	10	
Speed accuracy (rpm)	±2	
Maximum Volume (ml.)	999	
Accuracy (ml.)	±10	
Readability (ml.)	1	
Calibration	Auto	
Voltage	90 - 270 V AC / 50 - 60 Hz	
Battery Back up	Nil	10 hrs.

PLASMA EXPRESSOR

LABTOP Plasma expressor is an equipment used for separating plasma, platelets and red blood cells. It is useful for all types of blood bag. It is a mechanical device, which exerts uniform pressure on the blood bag during the separation of components.



SALIENT FEATURES

- User-friendly with alarms and indications
- Leakage-free clamping
- Automatic and manual clamping
- Optical electronic sensor ensures instant sensing of red cells
- White powder coated cabinet to withstand corrosion
- Specially designed mechanism ensures uniform pressure throughout the bag
- Attractive front panel

TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATION		
Cat. No.	LPE-1	LPE-2
Control	Manual	Electronic
Sensor	NA	Optical
Clamping	NA	Motor activated
Alarm	NA	Audio-Visual
Pressure plate	Acrylic	
Material of construction	Mild steel powder coated	
Voltage	NA	90 - 270 V AC / 50 - 60 Hz
Size (LXWXH) cms.	232 x 165 x 243	252 x 165 x 243

BLOOD BANK SCALE

Labtop Micro controller based Blood bank scale is designed for weighing blood and blood components. It can accurately measure the volume of blood components as the specific gravity of all components is taken into consideration.



SALIENT FEATURES

- Blue LCD display
- Compact model
- ABS moulded body
- Auto calibration
- Easy conversation of weight and volume
- Tare provision to account for weight of blood component inside the bag

TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATION		
Cat. No.	LWS-1	LWS-2
Number of Pan	One	Two
Weighing capacity	6 Kgs.	12 Kgs.
Accuracy	± 1 g / 1 ml	
Transducer	Load cell	
Weight	1.5 Kgs.	8 Kgs.
Voltage	90 - 270 V AC / 50 - 60 Hz	

LAMINAR AIR FLOW

LABTOP laminar air flow cabinet is an enclosed bench designed to prevent contamination of Blood and Blood components and biological samples.



SALIENT FEATURES

- ▶ Motorised front glass door
- ▶ Shattered proof Glass door
- ▶ UV lamp for sterilization
- ▶ Horizontal / Vertical flow
- ▶ Large front panel graphical display and user friendly control panel
- ▶ 10° slanted view screen provides highly visible and easily accessible area
- ▶ Sturdy construction of cabinet protects from air leakage from the working zone

TECHNICAL SPECIFICATION				
Cat. No.	LLF-2	LLF-3	LLF-4	LLF-6
Working Area (ft)	2 x 2 x 2	3 x 2 x 2	4 x 2 x 2	6 x 2 x 2
Display	Pressure Gauge			
Working Area (ft)	2 x 2 x 2	3 x 2 x 2	4 x 2 x 2	6 x 2 x 2
Size of HEPA filter (ft)	2 x 2 x 6	3 x 2 x 6	4 x 2 x 6	3 x 2 x 6
HEPA filters	1			2
Pre filters	1			
Illumination	1 x 80 W			
Filter efficiency	99.9%			
Working Area	Class 100			
Particle Retention	0.3 micron			
Velocity	90 FPM +20%			
Illumination	750 - 800 LUX			
Power supply	110 V / 230 V AC			

LABORATORY CENTRIFUGE (LLC-6)

Labtop micro controller based laboratory centrifuge Cat. No. LLC – 6 is a compact centrifuge suitable for routine work in Pathology and Blood bank laboratories. This centrifuge has maintenance free Brushless motor with frequency drive, graphic display, motorised door lock, timer and programmable acceleration and deceleration. Safety door interlock on the centrifuge ensures that the rotor does not run when door is open while the cover cannot be opened unless rotor comes to complete stop.



SALIENT FEATURES

- Maintenance free brushless motor
- Motorised Safety door lock
- Imbalance detector
- ABS molded front panel
- Blue graphic display
- User friendly programs
- Display of rpm, rcf, time in a single screen

TECHNICAL SPECIFICATION

Cat. No.	LLC- 6
Max. speed (rpm)	4000
Max rcf (g)	2690
Rotor capacity	16x15 ml swing out
Timer (minutes)	0-99
Noise level (dB)	≤ 65 dB
Input voltage	230 V AC / 50 Hz
Dimensions (mm)	480 x 400 x 300
Weight (kg)	22

Features for LABTOP DATALINX Central Monitoring Software



- Multiple Equipment data monitoring on single software
- Reports in Tabular and Graphical form
- Mean Kinetic Temperature Report
- Back up Provision
- Multi user environment
- Multiple level password with automatic expiry
- Electronic signature
- Audit trail report
- Mobile alert via SMS in case of any deviations
- Online and offline trends

OPTIONAL ACCESSORIES

Central monitoring Software

“LABTOP DATALINX” CFR 21 Part 11 compliance windows based communication software for data management. Complete with RS 485 multi dropping to monitor chambers to one software.

PC Interface

PC interface connectivity to LABTOP DATALINX central monitoring software with storage up to 500 records, print process values, date and time with variable print time intervals.

Stand by Refrigeration system

Ready to use stand by refrigeration system if the regular system fails. This includes Compressor, Evaporator, condensers and other accessories. (for above 600 liters)

Temperature Recorder

Seven days circular chart recorder to record the temperature

Glass Door

Insulated front see through double pane glass door.

PLC system

Programmable Logic Control with Safety controller, auto changeover of Standby systems & other event managements With 4.3” Color HMI with touch screen, Ethernet connectivity and security lock for prevention of unauthorized tampering.

Documentation

LABTOP offers IQ, OQ, PQ documentation, reports, calibration and test certificates.

Calibration

The equipment is calibrated with the help of master calibrator, which is certified for its accuracy by Electronics Regional Testing Laboratory (ERTL West) Government of India recognized testing laboratory with traceable reference to National Physical Laboratories (NPL).

Service and Support

The training undertaken by our Channel partners and engineers is of the highest standard in the industry, ensuring that our customers are supported by the highest level of technical expertise and as such can be assured that their equipment will perform to the standards required at all times.

Our wide network of Engineers/Technicians enables us to respond to any technical query, ensuring that our customers receive the maximum benefit from their equipment.

NB: Specifications are subject to change without prior notice.

OTHER PRODUCTS

Cooling Incubators	Laboratory Refrigerators
Centrifuges	Ice Lined Refrigerators
Shaking Incubators	Multi Tube Bio Mixers
Walk in Chambers	Plant Growth Chambers
Ice Lined Freezers	Stability Test Chambers
Circulating Baths	Freezers
Bacteriological Incubators	Laboratory Ovens
Bio Safety Cabinets	Circulating Chillers
Orbital Shakers	Dialysis Chairs

Core Strengths

Labtop Instruments expertise is in manufacturing high-quality laboratory instruments and scientific equipments. Powered with an efficient team of engineers backed by years of experience in their respective fields, the company ensures each and every product that leaves the manufacturing unit is up to the mark in all respects.

The core strengths of Labtop Instruments can be summarized as below:

- State of the art manufacturing capabilities
- A pool of talented experts
- Cost-effective and durable products
- Large network to facilitate smooth distribution
- Voluminous stock to satisfactorily meet the market requirements
- Timely delivery schedules and after-sales service.

Labtop's compliance with highly precise customer specifications serves as a constant objective for the company. Its core values encompass the commitment to precision workmanship with unsurpassed customer service.

Customer Satisfaction for Labtop is not just about complying with customized requirements, but more about value generation in every order.

Manufacturing & Administration Facility

The company's vertical orientation to manufacturing ensures total quality control of its finished products as all aspects of design and manufacturing are performed in the company's modern production facilities. The company's complete manufacturing and administration is under one roof – Labtop House.

Labtop House is a dedicated structure spanning over 40,000 sq. ft. and comprises of two floors, exclusively owned by the company. It is located at the prime industrial hub of Vasai, over an hour's drive from Mumbai – the commercial capital of India. Adhering to industrial norms and legislations laid down by the government for industrial premises, Labtop has dedicated spacious areas for manufacturing, assembling and quality control.

Complementing the facility is Labtop's continued investment in state-of-the-art manufacturing technologies and machine tools which gives the company's products a distinct advantage in the Indian and world markets.



Our prestigious customers

Adlakha Hospital - Amritsar	GLS Medical College - Rajamundry
Apollo Hospital - Chennai	HLL Life Care Ltd. - Thiruvananthapuram
Asian Heart Foundation - Mumbai	Indo American Cancer Hospital - Hyderabad
Apollo Victor Hospital - Goa	Jupiter Hospital - Thane
Arya Hospital - Guwahati	Kokilaben Hospital - Mumbai
Aditya Birla Health Service - Pune	Lions Blood Bank - Bijapur
Amrita Institute of Medical Science - Kochi	Lions Blood Bank - Hubli
Bhandari Hospital - Indore	Madras Medical Mission - Chennai
Bhai Lal Amin Hospital - Baroda	MIOT Hospital - Chennai
Baptist Hospital - Bangalore	Narayana Health - Mumbai
B. Barooah Cancer Hospital - Guwahati	Polymed - Delhi
BAPS Hospital - Ahmedabad	Rotary Blood Bank - Thane
Charnock Hospital - Kolkata	Shalby Hospital - Ahmedabad
Dayanand Medical College - Ludhiana	Terumo Penpol Ltd. - Thiruvananthapuram
Deenanath Mangeshkar Hospital - Pune	Terumo Ltd. - Vietnam

Our Global reach



Algeria	Egypt	Jordan	New Zealand	Taiwan
Australia	Ethiopia	Kenya	Pakistan	Tanzania
Austria	France	Korea	Philippines	Togo
Bangladesh	Germany	Kuwait	Saudi Arabia	Turkey
Bhutan	Holland	Libya	Singapore	UAE
Bolivia	Iran	Malawi	Spain	Uganda
Brazil	Iraq	Malaysia	Sri Lanka	UK
Brunei	Israel	Mexico	Sweden	USA
Canada	Italy	Myanmar	Switzerland	Venezuela
China	Japan	Nepal	Syria	Vietnam

LABTOP[®]

Quality Lab Equipment

ISO 13485 : 2012

CE
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