

**TE SONIC<sup>®</sup>**

Ensuring Excellence Everytime



**JESHRA INSTRUMENTS PVT. LTD.**

(An ISO 9001:2015 ISO 13485 : 2016 Certified company)

# PROFILE

*We* **Jeshra group** with Brand **TECSONIC** have started over 12 years ago with a humble beginning. Now we have a large manufacturing capacity with state of the art facilities to cater the increased demand for both domestic and international markets. We are into manufacturing and exporting Blood Bank and Pharmaceutical equipment's to several countries world wide

Our main interest lies in manufacturing trouble-free Blood Bank Instruments and Laboratory Freezers.

Today we are one of the reputed brand in the country and with highly talented production and sales team.

Our manufacturing facilities follow the guidelines of WHO- MP, with CE ISO 9001-2015 and 13485-2016 certification for design and IEC60601 for Electric safety. Manufacturing and supply of Blood Bank & Pharma Instruments.

Our main objective is to become world class manufacturer of Blood Bank and Pharmaceutical Equipment's and also to maintain our quality standards, delivery and providing the best and quick after sales service.



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# Blood Bank Refrigerator



**TBR 120**

TECSONIC Blood Bank Refrigerators are available in six different sizes and designed to meet strict requirements for storage of whole blood. The instrument's outer body is made of heavy gauge Mild steel duly powder coated with stainless Steel (304) Inner Chamber. The complete selection of 4°C refrigerators includes the Micro controlled Temperature controller having Audio Visual Alarm in case of Temperature deviation.

## FEATURES

- Micro Controlled Temperature controller with Audio Visual Alarm for High & Low Temperature & Door open.
- Heavy Duty Stainless Steel(304) Baskets.
- Display of Set & Process value.
- Extra-strength non CFC refrigeration system
- The unit is mounted on castor wheel for easy mobility.
- CFC Free PUF (Poly Urethane Foam) Insulation to ensure Temperature stability and save power consumption.



**TBR 200**

## Optional Accessories

- 7 Days circular Temperature Recorder
- Multi or Single Channel Data logging system with RS 485 port.
- Battery Support for Temp. Display & Temp. Recorder upto 6 Hrs.

## TECHNICAL SPECIFICATION



Models	TBR-60	TBR-120	TBR-200	TBR-250	TBR-300	TBR-360
Temperature	4.0 °C with $\pm 1.0$ °C Accuracy					
High/Low Alarm	Pre-set High at 6.0 °C and Low at 2.0 °C ( Can be changed)					
Inner Size (WxDxH cm)	45x40x62	45x40x95	65x52x95	65x52x112	65x52x130	62x62x130
Volume	110 ltrs.	180 ltrs.	300 ltrs.	360 ltrs.	425 ltrs.	485 ltrs.
No of Trays	2 Nos.	4 Nos.		5 Nos.	6 Nos.	
Blood bags (Aprox.)	60/450 ml.	120/450 ml.	200/450 ml.	250/450 ml.	300/450 ml.	360/450 ml.
Operating Voltage	220 - 240 V AC 50 Hz Single Phase					
Temp. Recorder	7 Days Circular Chart Recorder (Optional)					

**Note :** All models are also available in GR model : For complete detail. Refer last page

NB : Specification may change without prior notice.

# Plasma Freezer



**TPF 180**



**TPF 300**



**TPF 400**

TECSONIC Plasma Freezer Provides an ideal freezing environment for the preservation of Plasma, and test samples. The instrument's outer body is made of heavy gauge Mild steel duly powder coated with stainless Steel (304) Inner Chamber. This unit is Designed to maintain a stable and uniform temperature of up to -40.0°C, Vertical and Horizontal with four different sizes. The user-friendly design includes a built-in Stainless steel insulated inner door, and simple calibration is possible via the control panel. This coupled with a visual and audible alarm system, ensures that your samples are both safe and secure, but also easy to access when you need them.

## FEATURES

- Micro Controlled Temperature controller with Audio Visual Alarm for high & Low Temperature & Door Open
- Heavy Duty Stainless Steel (304) Basket. Display of Set & Process value. Extra-strength non CFC refrigeration System.
- The unit is mounted on castor wheel for easy mobility. CFC Free PUF (Poly Urethane Foam) Insulation to ensure temperature stability & save power consumption.

## Optional Accessories

- 7 Days circular Temperature Recorder
- Multi or Single Channel Data logging system with RS 485 port
- Battery Support for Temp. Display & Temp. Recorder upto 6 Hrs.

## TECHNICAL SPECIFICATION



Model No.	Inner Dim(WxDxH)	Volume	Bag Capacity	No. of Trays	Inner Dim(WxDxH)
TPF-100	42x45x58 cms	110 Ltr	100	V=3 / H=2	58x42x45 cms
TPF-180	50x50x72 cms	180 Ltr	180	V=4 / H=4	80x40x60 cms
TPF-300	60x60x80 cms	300 Ltr	300	V=4 / H=4	100x50x60 cms
TPF-400	60x60x105 cms	385 Ltr	400	V=5 / H=4	105x60x60 cms

**Note : All models are also available in GR model : For complete detail. Refer last page**

NB : Specification may change without prior notice.



# Cryoprecipitate Freezer



TECSONIC Cryoprecipitate Freezer Provides an ideal freezing environment for the preservation of Cryoprecipitate, Plasma, and test samples. The instrument's outer body is made of heavy gauge Mild steel duly powder coated with stainless Steel (304) Inner Chamber. This unit is designed to maintain a stable and uniform temperature of up to  $-80.0^{\circ}\text{C}$ , Vertical and Horizontal with four different sizes. The user-friendly design includes a built-in Stainless steel insulated inner door, and simple calibration is possible via the control panel. This coupled with a visual and audible alarm system, ensures that your samples are both safe and secure, but also easy to access when you need them.

## FEATURES

- Micro Controlled Temperature controller with Audio Visual Alarm for high & Low Temperature & Door Open
- Heavy Duty Stainless Steel (304) Basket.
- Display of Set and Process value.
- Extra-strength non CFC refrigeration System.
- The unit is mounted on castor wheel for easy mobility.
- CFC Free PUF (Poly Urethane Foam) Insulation to ensure temperature stability & save power consumption.

## Optional Accessories

- 7 Days circular Temperature Recorder
- Multi or Single Channel Data logging system with RS.485 port
- Battery Support for Temp. Display & Temp. Recorder upto 6 Hrs.



TCF 200



TCF 300

## TECHNICAL SPECIFICATION

Model No.	Inner Dim(WxDxH)	Volume	Bag Capacity	No. of Trays	Inner Dim(WxDxH)
TCF-100	40x45x58 cms	100 Liters	100	V=3 / H=2	58x40x45 cms
TCF-200	50x50x80 cms	200 Liters	200	V=4 / H=4	80x40x60 cms
TCF-300	50x60x100 cms	300 Liters	300	V=5 / H=4	50x100x60 cms

**Note :** All models are also available in GR model : For complete detail. Refer last page

# Refrigerated Centrifuge

**TECSONIC** Refrigerated Microprocessor Controlled OR PLC (Programable Logic Controller) Based Blood Bank Centrifuge is designed for blood components separation. The Instruments is specialized in separating Blood component like Packed cells, Platelet Rich Plasma, Platelet Concentrate, Cryoprecipitate and buffy coat separation. The instruments outer body is made of heavy gauge Mild steel duly powder coated with stainless Steel (304) Inner Chamber and prompt PUF Insulation to ensure accurate cooling inside the Chamber, and built in Brush less induction drive motor ensures low level of vibration and noise with smooth acceleration/ deceleration.

Refrigerated  
Centrifuge

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**TBRC 90+**

## FEATURES

- Program up to 99. Precise speed control and reproducibility.
- Imbalance detector with cut-off.
- Password Protected Parameter Setting for authorised access.
- Audiovisual Alarm for process complete, imbalance & process terminate.
- Brush-less induction motor with frequency drive.
- Prefix programme for different type of bag.
- Safety lid interlock to prevent cover opening during centrifugation.
- Multicolor TFT Graphic/HMI (Human Machine Interface) Display of Set & Process Value of RPM, Temp., Time. Acceleration & Deceleration with RCF indicator.
- 2 Pre cooling Program ie. 22°C & 4°C
- Integrated Soft Key LID opening system with Extra safety manual opening in case of power failure.
- Viewing window for RPM Calibration . Safety Gas hinges to prevent immediate LID drop.



## Display Of PLC



NB : Specification may change without prior notice.

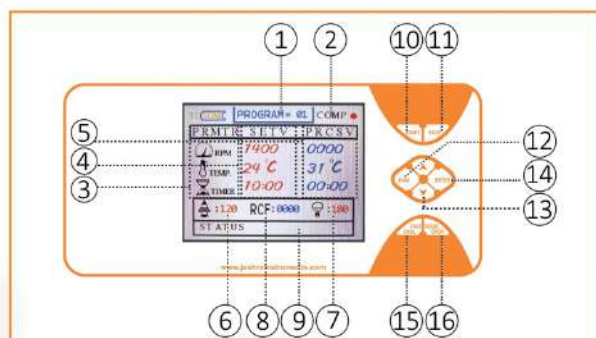
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# Refrigerated Centrifuge



## Display of Micro Controller



## Refrigerated Centrifuge

1. Programme Status (1 – 99)
2. Cooling On / Off Status
3. Parameters
4. Set Value Status
5. Process Value Status
6. Acceleration Status
7. Deceleration Status
8. Rcf Value
9. Current Status (door Open / In Process / Process Complete / Process Terminated / Imbalance)
10. Start Key
11. Stop Key
12. Program Key
13. Increment / Decrement Key
14. Enter Key
15. Fast Cool Key (4°C & 22°C)
16. Door Open Key



**TBRC-70**

## ROTOR SPECIFICATION

Model No.	Rotor Detail	Max RPM	Max RCF	Bucket
TBRC-70 TBRC-70+	4 Place Aluminium swing out rotor head to hold 4 metalcarrier having capacity to hold 2 Bags with Plastic bucket & wind shield of 4 mm thick	4400	6125	1000 ml X 8
TBRC-90 TBRC-90+	6 Place Aluminium swing out rotor head to hold 6 metal carrier having capacity to hold 2 Bags with Plastic bucket wind shield of 4 mm thick	4400	6385	1000 ml X 12

## TECHNICAL SPECIFICATION

Model No.	TBRC-70/ TBRC-70+	TBRC-90/ TBRC-90+
Width	875 mm	875 mm
Depth	990 mm	990 mm
Height	1015 mm	1015 mm
Input Power Supply	220-240V AC, 50 Hz Single phase	220-240V AC, 50 Hz Single phase
Temp. Range	4°C to 22.0 °C	4°C to 22.0 °C
Weight	400 Kg Aprox	400 Kg Aprox
Recommended Voltage Stabilizer	7.5 KVA	7.5 KVA

## Optional Accessories

- Data logging system of temp, time, RPM, ACC & DEC through RS 232/485 or USB Port to collect all data of the centrifugation process.
- Integrated Barcode system with software.

NB : Specification may change without prior notice.

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# Platelet Incubator & Agitator



TECSONIC Platelet Incubator and Agitator provides an ideal Storing environment for the Platelets. This unit Designed to maintain a stable and uniform temperature of 22.0°C, The instruments outer body is made of heavy gauge Mild steel duly powder coated with stainless Steel (304) Inner Chamber. The user-friendly design includes an acrylic inner door, and see through outer door, simple calibration is possible via the control panel. This, coupled with a visual and audible alarm system, ensures that your samples are both safe and secure, but also easy to access when you need them.

## FEATURES

- Micro Controlled Temperature controller with Audio Visual Alarm for high & Low Temperature & Door Open
- Heavy Duty Stainless Steel tray.
- Display of Set and Process value.
- Extra-strength non CFC refrigeration System.
- The unit is mounted on castor wheel for easy mobility.
- CFC Free PUF (Poly Urethane Foam) Insulation to ensure temperature stability and save power consumption.



**TPI-02**



**TPA-01**

## TECHNICAL SPECIFICATION

Cat No	No. of Trays	Operating emp.	Accuracy	Agitator Placement
TPI-01	8	22.0 °C	±0.5 °C	1 No
TPI-02	16	22.0 °C	±0.5 °C	2 No

## Optional Accessories

7 Days circular Temperature Recorder / Multi or Single Channel Data logging system with RS 485 port Battery Support for Temp. Display & Temp. Recorder upto 6 Hrs.

## Platelet Agitator

This Platelet agitator specially designed to maintain Platelets in continues motion at a fixed speed of 70 RPM. Maximum 48 standard Platelet bags can be accommodate at a time. Optional motion failure alarm system is available.



**TPI-01**

**Note : All models are also available in GR model : For complete detail. Refer last page**

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NB : Specification may change without prior notice.



# Automatic Donor Couch

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**TDC-02**



**TDC-03**

CE

## FEATURES

- Two Geared Actuator to adjust head, back rest and foot end to Ensure safety and comfort to the donor. Heavy Duty Tilt adjustment can be done by using remote control, as well as manual with battery support (optional) in case of power failure.
- Specially designed to Provides a comfortable position for the donor.
- Variable position of head rest, back rest, foot rest and arm rest can be achieved through actuator to change donor's posture. *(Donor's head can be lowered immediately and legs can be lifted above heart level so that blood can flow back to the brain and other vital organs, in case of vasovagal attack)*
- All frame made of heavy gauge mild steel square pipe with duly powder coated.
- 4 Lockable castors for easy mobility
- Comfortable chair type with 4 inch soft cushioning mattress washable upholstery and comfortably wide arm-rests.

TECSONIC Dual actuator based blood donor couch is specially designed to make blood withdrawal easier, safe and provide comfortable position of the donor. Donor's position can be easily adjusted to form either a comfortable easy chair or a bed. All surfaces are clean and 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 maximize donor comfort.

Facility for blood collection from both sides. Based on hemodynamic principles.

## TECHNICAL SPECIFICATION

Catalogue No.	TDC -02	TDC -03
Power supply	230 VAC	230 VAC
Weight	60kg	60kg
Lifting Capacity	150kg	150kg
Control	Corded Remote	Corded Remote
Power Consumption	100 W	100 W
Movement Actuation	DC Motor	DC Motor
Size in Normal Condition	62 x 205 x 144 cm x (W x D x H)	62 x 205 x 144 cm x (W x D x H)
Size In Stretched Condition	62 x 205 x 110 cm x (W x D x H)	62 x 205 x 110 cm x (W x D x H)
Length of Arm Rest	60cm	60cm
Width of Arm Rest	15cm	15cm
Upholstery	Soft Upholstery of 4.0 thick	Soft Upholstery of 4.0 thick
Battery Support	-----	Up to 50 Cycle

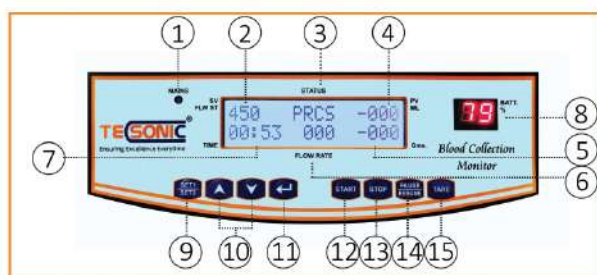
## Optional Accessories

IV Pole with 2 trays for blood collection monitor/BP Apparatus, etc.

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# Blood Collection Monitor



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## Blood Collection Monitor

- |  |  |
|--|--|
| 1. Mains Indicator   | 8. Battery Status / Indicator                |
| 2. Set Value & Flow Status (high & Low)                        | 9. Toggle Key For 2 Set Point (350 / 450 ml) |
| 3. Current Status (inprocess / Stop / Pause/clamped/ Released) | 10. Increment / Decrement Key                |
| 4. Process Value In ml   | 11. Enter Key                                |
| 5. Process Value In Gram                                       | 12. Start Key                                |
| 6. Blood Flow Rate / Minute                                    | 13. Stop Key                                 |
| 7. Time Taken For Collection                                   | 14. Pause / Resume Key                       |
|  | 15. Tare Key                                 |



TECSONIC Blood Collection Monitor is a compact instrument to provide smooth and gentle rocking for homogeneous mixing with anticoagulant without clot formation of blood from a donor.

## FEATURES

- Microprocessor based controller system with accuracy of +/- 1 ml
- Meant for stationary and mobile use for easy & safe blood Collection
- Alphanumeric 16x2 Jumbo LCD display with White Backlight
- Mixing cycle of 12 to 14 rpm for gentle and smooth mixing with anticoagulant prevents Clot formation
- End to end gentle blood mixing with coagulant and control of collection time
- Audio and visual alarm for High flow(> /min) Low flow (< /min) and commencement of collection
- Auto tare facility / Auto release function of clamp after completion of collection
- Automatic check on Blood flow rate and collection time during collection
- Motorized clamping with manual pause / clamping to temporary suspend the process.
- Available in 2D(See Saw) and 3D Movement
- Display of Set Volume, Process Volume, Weight, Flow Rate, Time & Current Status & Battery Percentage
- Targeted volume set range from 1 ml. Increment with two Pre-set points (350 & 450 ml)
- Volume can be set from 1 ml. To 999ml.
- Provision for pausing collection and change Program during blood collection Adjustable Low Flow & High Flow point

## TECHNICAL SPECIFICATION



CAT No	TCM-03	TCM-04	TCM-05	TCM-06
Input Volt	230 V AC $\pm$ 10	230 V AC $\pm$ 10	230 V AC $\pm$ 10	230 V AC $\pm$ 10
Oscillation RPM	12 $\pm$ 1RPM	12 $\pm$ 1RPM	12 $\pm$ 1RPM	12 $\pm$ 1RPM
Oscillation type	2 D	2 D	3 D	3 D
Alarm Type	Audio Visual	Audio Visual	Audio Visual	Audio Visual
Battery Support	-----	Up to 15 Hrs	-----	Up to 15 Hrs
Dimension	26x28.5x14cm	26x28.5x14cm	26x28.5x14cm	26x28.5x14cm
Weight	4.5 Kg	6 Kg	4.5 Kg	6 Kg

NB : Specification may change without prior notice.

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# Blood Bag Tube Sealer

TECSONIC Blood Bag tube Sealer designed to seal the blood bag tube by high frequency dielectric heating system without causing haemolysis, leakage of blood. The sealing can be achieved in less than 1.5 seconds per tube by simple operation. Complete sealing of the blood bag tube is annexure by high frequency dielectric heating. Sealing of each tube takes approx 1.5 seconds and is thus very efficient. Pulling the sealing section to both sides can readily cut off sealed tube.

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## TECHNICAL SPECIFICATION

Cat No	TTS-03	TTS-04
Input Voltage	220-240 V AC	220-240 V AC
Radio Frequency	40.68 MHz	40.68 MHz
Sealing Time	1.5 Sec Approx.	1.5 Sec Approx.
Power Consumption	100 VA	100 VA
Weight	4.4 Kg Approx.	5.0 Kg Approx.
Size	170 x 210 x 110mm	170 x 210 x 110mm
Battery Support	NA	300 Seals
Fuse	5 Amp	5 Amp

**TTS 03**

CE

## Data Logger

**TDL 16CH**

## FEATURES

- Used latest micro controller based technology for better accuracy.
- Easy on line field calibration for user by front panel membrane keypad.
- Automatic wire length compensation for long sensor.
- Field programmable channel scan time 1 to 59 sec.
- Very high accuracy 0.25% with software linearization Temperature sensor break (open) indication
- Built in temperature reading in C or F by user selectable
- Individual channel SKIP, HOLD facility to compensate the field error
- Two independent alarm set points for individual channel.
- Optional RS-232 /RS-485 serial port
- Optional on line data acquisition computer software.
- Optional parallel port for direct printout on 80/24 column dot -matrix printer without need of computer(pc)
- Field programmable print interval 1 to 120 Mins. with real time clock for on line printing

TECSONIC Data Logger is available in both version 8 Channel and 16 Channel. It is specially designed for reading printing and monitoring of data from number of instruments in Blood Bank, these instrument not only display and monitor from different instrument connected to it but also stores a data in the memory and print them whenever you need the report. These instruments generate the report in both

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Radio Frequency	40.68 MHz	40.68 MHz
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Power Consumption	100 VA	100 VA
Weight	4.4 Kg Approx.	5.0 Kg Approx.
Size	170 x 210 x 110mm	170 x 210 x 110mm
Battery Support	NA	300 Seals
Fuse	5 Amp	5 Amp

**TTS 03**

CE

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- Automatic wire length compensation for long sensor.
- Field programmable channel scan time 1 to 59 sec.
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## Cryoprecipitate Bath



TCTB-01

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TECSONIC Cryoprecipitate Bath is specially designed to thaw Frozen Plasma at +4.0°C/ +37.0°C. Inner chamber made of stainless steel(304), and outer body of MS duly powder coated With built in heavy duty industrial pump to circulate the water throughout the chamber to get maximum accuracy.

The Micro Controlled temperature controller controls the temperature with accuracy of  $\pm 0.2^{\circ}\text{C}$  specially designed Stainless Steel Basket to accommodate Cryo/Plasma Bags .

### Plasma Thawing Bath

TECSONIC PlasmaThawing Bat is specially designed to thaw Frozen Plasma at +37.0°C. Inner chamber made of stainless steel(304), and outer body of MS duly powder coated With built in heavy duty industrial pump to circulate the water throughout the chamber to get maximum accuracy. The Micro Controlled temperature controller controls the temperature with accuracy of  $\pm 0.2^{\circ}\text{C}$  specially designed Stainless Steel Basket to accommodate Plasma Bags.

## Plasma Thawing Bath



TPTB-01

### FEATURES

- Heavy Duty Stainless Steel Basket.
- Display of Set and Process value.
- Extra-strength non CFC refrigeration System in Cryo Bath.
- The unit is mounted on castor wheel for easy mobility in Cryobath
- CFC Free PUF (Poly Urethane Foam) Insulation to ensure temperature stability & save power consumption.
- Built in Heavy duty water circulating pump for better water circulation & better temp. accuracy.

### TECHNICAL SPECIFICATION

Model No.	Inner Dim (WxDxH)	Volume	Bag Capacity	No. of Trays	Temp.
TCTB-01	38x27x24 cms	25 Ltr	12	1	4.0 to 37.0°C
TPTB-01	38x27x24 cms	25 Ltr	12	1	37.0°C

## Blood Bag Tube Stripper

Teflon rollers with reinforced pins Electroless Nickel Coating: durable with a chrome-like finish.



TBTC-01

NB : Specification may change without prior notice.

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# Laminar Air Flow Bench



TECSONIC Laminar Flow Bench is designed to provide working space comprising as standard features HEPA filter having efficiency of 99.997% down to 0.3 microns, pre filter 90% down to 5 microns, suitable motor blowing assemblies, Stainless Steel working table top, side acrylic panel, Florescent tube light and Pressure differential Manometer. The instrument is available in both version Vertical and Horizontal



**TLFV-2**

## TECHNICAL SPECIFICATION

Model No	TLFV-2 & TLFH-2	TLFV-3 & TLFH-3	TLFV-4 & TLFH-4
<b>Working Area</b>	2x2x2	3x2x2	4x2x2
<b>Size of filter</b>	2x2x6	3x2x6	4x2x6
<b>HEPA Filter (with unit)</b>	1 No.	1 No.	1 No.
<b>Pre-Filter (with unit)</b>	1 No.	1 No.	1 No.
<b>Fluorescent Tube</b>	1 x 20 Watts	2 x 20 Watts	2 x 40 Watts
<b>U.V. Tube</b>	2 feet(1 Nos)	2 feet(1 Nos)	4 feet(1 Nos)

# Plasma Extractor

TECSONIC Plasma Extractor is designed to Extract Blood component from centrifuged Bags. The spring loaded frontpanel applies pressure on the collected bag causing the liquid to contain in transfer bag. Its sturdy construction makes it durable and reliable, easy to use and portable. The unit is available in both versions automatic and manual.



**TPE-02**

## TECHNICAL SPECIFICATION

Model No	TPE-01	TPE-02
<b>Sensor</b>	-	Infra Red
<b>Clamping Control</b>	Manual	Motor Actuated
<b>Pressure Plate</b>	Acrylic 10 mm Thick	Acrylic 10 mm Thick
<b>Alarm</b>	-	Audio Visual



**TPE-01**



## Dual Pan Balance



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TECSONIC Micro Controlled based Dual Pan Balance is designed to weight centrifuge bucket accurately before centrifuging the bags with help of two stainless steel pans, on which differential weight of two buckets of centrifuges is weighed.

### FEATURES

- Bright Jumbo 16x2 LCD displays of Weight and Volume with accuracy of  $\pm 1$  gm.
- Rechargeable battery operated.
- Helps better balancing of refrigerated centrifuge.
- Tare provision to account for the weight of the blood bag.
- Auto Calibration.
- Micro Controlled based technology for high accuracy.
- Battery support system up to 18 Hrs.



**TBBS-02**

### Specification

Model no.	: TBBS-02
Capacity	: 10 Kg Accuracy $\pm 1$ gm
Input Volt	: 230V AC Power 6 V 4.5 Ah Lead Sealed Battery
Consumption	: 15 V A
Weight	: 5.5 Kg approx.

## Single Pan Balance

TECSONIC Micro Controlled Blood bank Scale is designed for weighing Blood and Blood Components with display of Weight and Volume.

### FEATURES

- LED or LCD displays of Weight and Volume of Whole Blood / Pack cell/Plasma and Platelet with accuracy of  $\pm 1$ ml/grm.
- Tare provision to account for the weight of the blood bag.
- ABC Mounded body.
- Auto Calibration.
- Micro Controlled based technology for high accuracy. Battery support system up to 8 Hrs.



NB : Specification may change without prior notice.



**TBBS-01**

### Specification

Model no.	: TBBS-01
Capacity	: 10 Kg
Accuracy	: $\pm 1$ gm
Input Volt	: 230V AC Power 6 V 1.2 Ah Lead Sealed Battery
Consumption	: 15 V A
Weight	: 2.5 Kg approx.

# Newly Introduced GR Model



## Introduction of GR Model for Refrigerators and Freezers

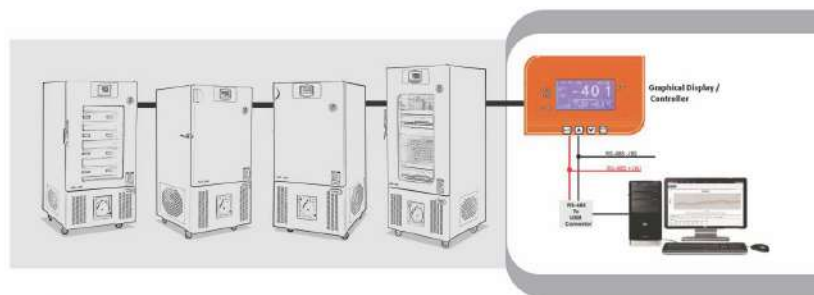
TECSONIC Micro controlled based Graphical Temperature Indicator/ Controller cum data loggers can measure and record data at specified intervals.

TECSONIC Data Recording Software requires no programming skills, and enables the user to effortlessly select reading rate, specify the user's ID, and initiate the start of data collection. It is our goal to bring you accurate, low-cost, easy-to-use data loggers that integrate easily into the

user's working environment. To better understand your needs and to better serve you.

TECSONIC Single Channel Scanner +Data Logger is new version unit with 128 x 64 pixel Graphical Display. The Logger scans up to 1 Factory settable channel and Logging data with unique Real time pattern. Also the unit perform the as per norms 21 CFR FDA Compliance. User can get data also on parallel Dot matrix Printer output. Unit also performing various event data storage, with Door locking Event.

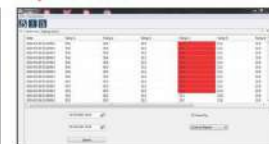
## Communication Interface for single multiple instrument



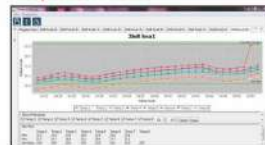
Tabular Data View



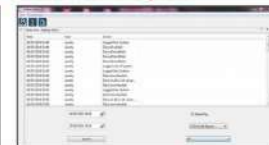
Report View



Graphical View



Audit Trails Report



### Features

#### Guideline

- USFDA 21CFR Part11 Compliance

#### Data Security

- Tamper-proof Electronic records
- Data Backup facility
- Audit trails Report generation
- Alphanumeric password with automatic password expiry.
- Auto log out functionality
- RDBMS database-decoupled design

#### Reports

- Audit trails Report
- Multi format report generation Tabular, Graphical,PDF etc.,
- Editable Report Heading
- Alphanumeric password with automatic password expiry.
- Auto log out functionality
- RDBMS database-decoupled design

### Communication

- Comport Auto detection, Plug n Play
- Supported up to 24 Devices
- Two ways Communication
- Alphanumeric password with automatic password expiry

### Speciality

- Multi-threading and multi-tasking
- Compatible for Windows, Linux, Mac & Oracle Solaris, which makes it truly unique and platform independent?
- Single window view
- Easy to install.
- User friendly

## Specification and Highlights

							
USFDA 21CFR Part11 Compliance	Password	Protection DataBackup	Trends & Report	Tamper-proof Electronic records	Event Logging	Fast Downloading	Auto Exit



NB : Specification may change without prior notice.

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**T**imely Execution

**E**xcellent Service Backup

**C**ost Effective

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**N**ew Age Ideas

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## **JESHRA INSTRUMENTS PVT. LTD.**

(An ISO 9001:2015 ISO 13485 : 2016 Certified company)

📍 9/1, Geeta Udyog Nagar, Building No. 1, Near Range Office,  
Vasai (E), Dist: Palghar- 401 208, Maharashtra (INDIA)

📞 8767883344/8767443344/7303113344  
+91 922 3290 586 / 87

✉ info@jeshrainstruments.com  
sales@jeshrainstruments.com

🌐 www.jeshrainstruments.com

Auth. Distributor

• Mumbai • Pune • Ahmedabad • Delhi • Lucknow • Kolkatta  
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