

TERUMO PENPOL®

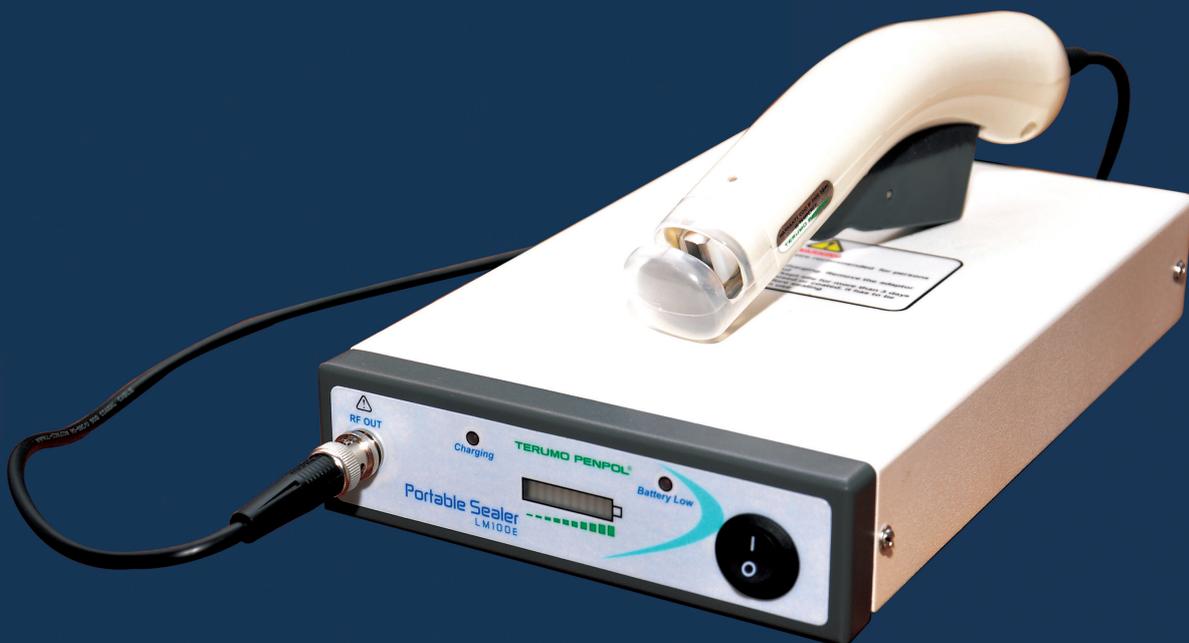
TRANSFUSION SYSTEMS

PORTABLE SEALER LM100E

ISO 13485    

Optimize blood care with advanced technology

The most reliable seals
for blood collection

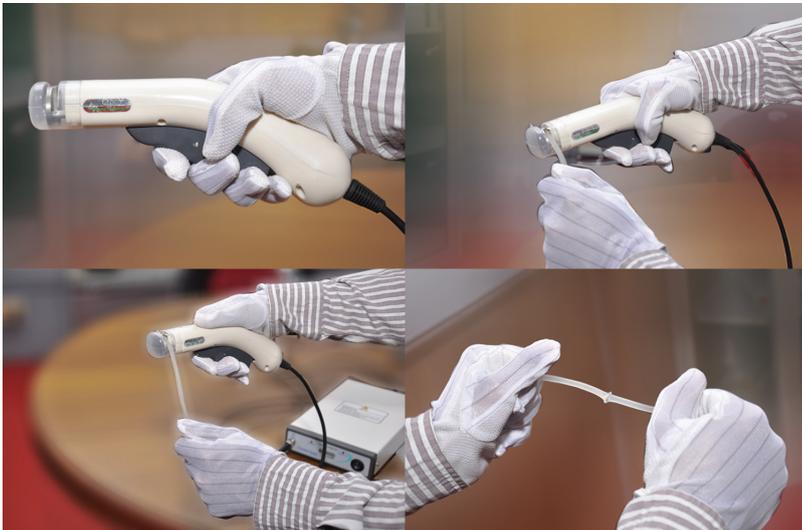


Started as the first Indian manufacturer of blood bags, Terumo Penpol Private Limited continues to be the market leader in India in the field of equipment and disposables for the Blood Transfusion industry. With a comprehensive range of products covering collection, processing, storage and issue of blood, Terumo Penpol continues to serve the leading blood banks in India and around the world. Terumo Penpol is now a subsidiary of the \$4.5 billion Terumo Corporation, Japan and is a group company of Terumo BCT, USA which leads the Blood Management business of Terumo.



COLLECTION EQUIPMENT

The entire range of Terumo Penpol collection instruments follow the best manufacturing processes in order to make the blood collection experience safe, convenient and comfortable for the provider while assuring quality for the end user. Blood collection is done either in blood banks or donation camps. It is extremely important to make the process safe and convenient. Terumo Penpol's Portable Tube Sealers minimize haemolysis and contamination and give high quality seals for blood collection. Its lightweight, durable nature and long battery backup makes it ideal for both



Terumo Penpol sales and service engineers are located close to you for the entire duration of the life-cycle of the equipment. With over 16640 pieces of equipment installed in India and a customer base of more than 2426 clients, Terumo Penpol's reputation for friendly and round-the-clock service is widely recognized and respected.



SPECIFICATIONS | PORTABLE SEALER LM100E

FEATURES

Power supply	Ni-MH battery pack 12V, 4.5.Ah
Classification	Protection against electrical shock: Class I, Internally powered
Operation	Intermittent operation
Battery charger	Input: 100 to 240VAC, 50/60Hz Output: 18VDC 3.3.A(Max)
Battery charging time	3 hrs
No. of seals	>1000 seals for a fully charged battery (under test conditions)
RF frequency	40.68 MHz
RF cable length	2.44m
Weight: Base power unit(Approx)	2100 gms
Weight: Sealing head (Approx)	230 gms
Maximum diameter of the tube that can be sealed	5mm
Sealing time	<1.5 Sec controlled by microcontroller
Indications	<ul style="list-style-type: none">• Charging• Battery low/ Calibration• Voltage level• Sealing indication in the sealing head
Dimension base unit (W x D x H)mm*	160x258x50.5
Manufacturing standard	ISO 9001 : 2008 , EN ISO 13485 : 2012
Standards & approval	CE , China RoHS, EU RoHS

Purely Hermetic And Snap Apart Seals

Each Terumo Penpol Portable Sealer is designed to make hermetic seals in blood bags without any contamination. Each sealed tube has a rupture line and can be separated easily by hand.

Ergonomically Designed Sealing Head

- An ergonomically-designed sealing head gives the user greater comfort
- The sealing head is designed in such a way that minimizes the force required for triggering and ensures both a better grip and consistent seals
- The easy-to-remove splash guard allows safe usage

No Warm up Time Required

There is no need to wait for system initialization: the LM 100 E is the best rapid-use tube sealer for blood banks and camps.

Superior RF Application Technology

A specially-designed sealing gun lever ensures the application of RF only after the tube is completely squeezed so that the RF will not have contact with blood

Rapid Charging Tube Sealer

- The Ni-MH battery used in LM 100 E gets fully charged within three hours and is protected from over charging to ensure an uninterrupted operation
- Makes more than 1000 high quality seals per full charged battery
- Additional thermal protection for the battery
- Battery voltage level indicator
- Provided with convenient to use carry bag with shoulder strap



REGISTERED OFFICE

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OUR PRODUCT RANGE

BLOOD BAGS

DONOR STATION

BLOOD COLLECTION MONITOR

TUBE SEALER

PORTABLE TUBE SEALER

DUAL HEAD TUBE SEALER

COMPOSCALE + INTELLIGENT EXPRESSOR

CRYO BATH

BLOOD BANK REFRIGERATOR

PLATELET AGITATOR AND INCUBATOR

DEEP FREEZERS

PLASMA BATH

FILTERS*

BLOOD TRANSFUSION SET*

AUTOMATIC COMPONENT EXTRACTOR*

STERILE CONNECTING DEVICE*

APHERESIS SYSTEM AND KITS*

* Additional Products for Indian market only.
Products from Terumo Corporation / Terumo BCT