PORTABLE SEALER
LM100E

The most reliable seals for blood collection

ISO 13485

Optimize blood care with advanced technology
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

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<th><strong>FEATURES</strong></th>
<th><strong>SPECIFICATIONS</strong></th>
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<tr>
<td><strong>Purely Hermetic And Snap Apart Seals</strong></td>
<td><strong>Collection Equipment • Portable Tube sealer • LM 100E</strong></td>
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<tr>
<td>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.</td>
<td><strong>Provided with convenient to use carry bag with shoulder strap</strong></td>
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<td><strong>Ergonomically Designed Sealing Head</strong></td>
<td><strong>No Warm up Time Required</strong></td>
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<td>• An ergonomically-designed sealing head gives the user greater comfort</td>
<td><strong>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.</strong></td>
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<td>• 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</td>
<td><strong>Superior RF Application Technology</strong></td>
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<td>• The easy-to-remove splash guard allows safe usage</td>
<td><strong>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</strong></td>
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<td><strong>No Warm up Time Required</strong></td>
<td><strong>Rapid Charging Tube Sealer</strong></td>
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<td>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.</td>
<td>• 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</td>
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<td><strong>Superior RF Application Technology</strong></td>
<td>• Makes more than 1000 high quality seals per full charged battery</td>
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<td>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</td>
<td>• Additional thermal protection for the battery</td>
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<td><strong>Rapid Charging Tube Sealer</strong></td>
<td>• Battery voltage level indicator</td>
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<td>• 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</td>
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### Collection Equipment • Portable Tube sealer • LM 100E

**Power supply** | Ni-MH battery pack 12V, 4.5 Ah
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**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** | 2.44 m
**Weight: Base power unit(Approx)** | 2100 gms
**Weight: Sealing head (Approx)** | 230 gms
**Maximum diameter of the tube that can be sealed** | 5 mm
**Sealing time** | <1.5 Sec controlled by microcontroller
**Indications** | • Charging
| • Battery low/ Calibration
| • Voltage level
| • Sealing indication in the sealing head
**Dimension base unit (W x D x H)mm** | 160x258x50.5
**Standards & approval** | CE , China RoHS, EURoHS
OUR PRODUCT RANGE

BLOOD BAGS
DONOR STATION
BLOOD COLLECTION MONITOR
TUBE SEALER
PORTABLE TUBE SEALER
DUAL HEAD TUBE SEALER

COMPOSABLE + 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

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Due to continuous development specifications are likely to change without prior notice
For distribution in India only