**Specifications**

**TERUFUSION® Communication Rack System**

### Conformity
- Conformity is declared in accordance with the guidelines of the European Medical Device Directive, 93/42/EEC (Class I)
- Test results comply with the requirements of IEC 60601-2-24:1998
- It also meets the requirement for compatibility with the EMC level of IEC 60601-2-24:1998
- Up to three racks can be combined and up to nine pumps can be attached at a time.

### Pole Clamp

- **One Touch Pole Clamp** (TE-877 / option)
  - Saves time by affixing the clamp to the pole by a simple 3 step approach:
    1. Grip the lever
    2. Approach clamping point
    3. Screw clamp to affix

### Drip Sensor

- **TERUFUSION Drip Sensor** (TE-977 / option)
  - The TERUFUSION Drip Sensor monitors activity inside the IV tube, alarming when free flow occurs or solution becomes empty. (There is a limit to the detection capabilities of the IV probe.

### Drug Library Manager

- **TERUFUSION Drug Library Manager** (TE-SW800B / option) 
- **TERUFUSION Drug Software Package** (TE-SW800P / option)

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The simple way to get safe, high-precision infusion management

Smart infusion system aims at more accurate, safer syringe pumps and infusion pumps.
- Smart pumps with leading-edge IT capabilities that connect them with hospital information and data systems, to take giant steps toward shared information and more accurate diagnosis.
- Standard pumps without IT functions: available for an incredible degree of accuracy and safety at eminently affordable prices.
- Choose the particular infusion system that best fits your operation.

**Smart Pumps (with IT function)**
- TERUFUSION® Infusion Pump Type LM TE-LM800 Midpress® type
- TERUFUSION® Syringe Pump Type SS TE-SS800

**Standard Pumps**
- TERUFUSION® Infusion Pump Type LM TE-LM700 Midpress® type
- TERUFUSION® Syringe Pump Type SS TE-SS700

**Terumo smart infusion peripherals**
- TERUFUSION® Communication Rack System
  - TE-RS800 (optional) With communication function
  - TE-RS811 (optional) Can be attached to TE-RS800
- TERUFUSION® Standard Rack System
  - TE-RS700 (optional) Without communication function

Terumo smart infusion peripherals
- TERUFUSION Type LM needs to be used with TERUFUSION Solution Administration Set for Infusion pump with AFF clip, or SURFLUG® Solution Administration Set with AFF clip, or TERUFUSION Blood Administration Set for Infusion pump with AFF clip.
Simple means no stress, no mistakes, no waste

**Distinct easy-to-read 4.3-inch display**
- Large 4.3-inch full-color monitor
- Can be read clearly from some distance away
- Screen reverses out when sleeping, clearly showing if the system’s on or off
- Alarm lamp for instant recognition

**Full-color visual guidance for less experienced operators**
- Visual guidance for less-experienced staff
- Follow it step by step to properly install and set up the pump
- It’s efficient and intuitive
- The instructions are available in 19 languages

**Only seven buttons and a jog dial**
- Simply, seven buttons and one jog dial let you control everything
- Simple adjustments are done with the dial

**Distinct easy-to-read 4.3-inch display**

**Sturdy construction**
- Lid opens by hand. Sturdy, long-lasting construction

**Anti-free flow (AFF) function**
- Reduces the risk of free flow
- Move the AFF clip to the lower auxiliary tube, it can be used as an automatic shut-off

**Midpress — accurate infusion as well as transfusion**
As its name suggests, midpress uses a finger to depress the middle of the tube, sending accurate and precise amounts of fluid into the IV tube. This method holds tube deformation to the absolute minimum. In addition to accurate infusion, midpress can also be used for blood transfusion with the addition of a transfusion kit.

**Compact racks save space**
- Racks can handle up to three pumps at once, and up to three racks can be used in one stack (for 9 pumps in all)
- Power cords and infusion tubes stay out of the way so there’s more bedside room

**Conventional peristaltic finger method**
- Tube doesn’t open completely
- Tube is pressed halfway to closure

**Infusion Pump TE-LM800**

**Design integration**
- Racks can handle up to three pumps at once, and up to three racks can be used in one stack (for 9 pumps in all)
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**Inflow**
Solution flows into the tube.

**Inflow stops**
A certain amount of solution accumulates in the tube as part A presses against the tube.

**Outflow**
Outflow starts as part D opens and part B presses the tube.

**Outflow continues as**
Part C presses the tube.

**Outflow stops**
Part D presses the tube fully.

**Pulse flow adjustment**
Part E presses the tube and completes outflow cycle.

**AFF clip**
Pumps can be easily attached and removed while remaining attached to pole clamp.
Smart infusion workflow reduces safety worries

Data suggests that the biggest cause of error between prescription and drug administration is in the infusion time period*. An approach that works to eliminate human error is key to achieving high-quality care. The advance pump with IT technology change methods of infusion and promote a simpler infusion time period*. An approach that works to eliminate human error is key to achieving high-quality care.

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Smart Pumps [TE-LM800 / TE-SS800] only

Aims to enhance safety and medication management regardless of operator’s skill or experience

Drug library function eliminates human error and enhances medical management

- Once you select a drug you administer, medication information can be displayed.
- The actual medication can be confirmed by reference to the drug data. A combination of colors and patterns will make an operator recognize drugs more easily in clinical situations. 18 combinations can be set in a drug library out of the 96 combinations in total below.
- 32 colors
- 3 patterns (Plain/vertical, stripes/diagonal, stripes)

Continuous Quality Improvement (CQI)

- Maximum dosages can be set more easily in clinical settings.
- Data can be used in many different ways to further enhance medical care.
- Allows continual improvement of process (CQI)
- Helps to call "infusion set" at a constant flow rate of 1.00 mL/h or more (ambient temperature: 20 to 25°C).
- Data can be used in many different ways to further enhance medical care.
- About two minutes after selecting a drug, the selection is transmitted via the network.

Wrong drug infusion prevention

- The maximum dosage of a drug can be set that prevents overdoses caused by data input mistakes.
- Compiles data on drug, consistency, infusion dose, etc.
- Just choose a drug name and the system does the rest.

Links with Hospital Information Systems (HIS)

- Medical personnel can access the patient’s chart information from the nearest computer terminal.
- Data can be used in many different ways to further enhance medical services.

ICL solution

TERUFUSION Syringe Pump Type SS

- Syringe brand
- Syringe size
- Dilution setting range
- Dose rate setting range
- Max. dosages setting range
- Relative humidity
- Ambient temperature
- Power consumption
- Dimensions
- Unit weight

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