



TERUFUSION® INFUSION PUMP TE-112

The ultimate in compact infusion pump technology and reliability

This new, compact infusion pump offers enhanced ease of use and higher accuracy

The new TE-112, a lightweight and compact infusion pump, comes equipped with user-friendly functions and a large, easy-to-read LCD. In addition, the TE-112 is also designed to work with a variety of general infusion sets from other manufacturers.

Compact & Lightweight

Terumo's new TERUFUSION compact infusion pump requires minimum installation space and weighs only 2.3kg.



Compatible with General Infusion Sets

The TE-112 works well with a variety of infusion sets, including non-Terumo products. This means that, in addition to Terumo infusion sets, you can use the sets of other makers as well.

In case that infusion sets of other brands are used, consult your TERUMO dealer for compatibility with TE-112 before use.

Easy to Use

Delivery limit free

You can begin infusion without setting the delivery limit for further flexibility. Solution delivery is always monitored by drip sensor for container empty.

Easy-to-read display

The pump features a large, comprehensive LCD that is backlit for easy visibility even in the dark.



Volume delivered clear function

The volume delivered reading (Σ mL) can be cleared by holding down the [Σ mL CLEAR] switch without turning off the power.

Volume memory function

After power is turned on, the pump displays the previous delivery rate and delivery limit in the "Memory" mode.

Drops/min.

The delivery rate can be set in Drops/min. steps, while the

Volume Memory function and Drops/min. unit are not the standard/initial modes. Ask your TERUMO dealer for preferred mode setting.



Advanced system compatibility, performance

**TERUFUSION®
INFUSION PUMP TE-112**

on buttons, an intelligent alarm system for extra safety, easy-
r added convenience.

Reliability

Drip sensor control

The drip sensor always monitors dripping to ensure safe and accurate infusion. The sensor can detect empty container, flow error, and accidental free flow.

The unit can be set to the "Without Drop Sensor Control" mode. In this mode, TERUFUSION Solution Administration Set for Infusion Pump must be used. Ask your TERUMO dealer for preferred mode setting.



Intelligent alarm system for extra safety

Various light and sound alarms keep the operator informed of such criteria as air-in-line, occlusion, flow error, door open, low battery, flow empty, repeat alarm and start-reminder alarm.



Complies with EMC directive

TE-112 complies with the EC Directive 89/336/EEC for Electromagnetic Compatibility.

[Reference Standard]

EN60601-1-2

IEC601-2-24



Keep-Vein-Open function

Tubing clamp mechanism

Protection against incorrect operations (Front Panel Lock-out Mechanism)



Easy Maintenance

Easy battery replacement

The battery can be easily exchanged via quick-access battery compartment lid. Now, replacing a battery does not require removing the unit's entire rear case.



Rounded design for easy cleaning

The main body and the inside of the door are rounded for easy cleaning of dust or spilled drug solutions.



Easy-to-clean drip sensor

If any solution spills on the drip sensor, simply wipe it off with a dry cloth. The slider case can be separated from the sensor and washed.

TERUFUSION[®] INFUSION PUMP TE-112

Specifications TE-112

Product name	TERUFUSION Infusion pump
Model	TE-112
Product code	TE-112
Pumping system	Peristaltic finger
Delivery rate	<ul style="list-style-type: none"> • Infusion sets: 15, 19 or 20 drops/mL 3 to 300mL/h (1mL/h steps) 1 to 75 drops/min. (1 drop/min. steps) • Infusion sets: 60 drops/mL 1 to 100mL/h (1mL/h steps) 1 to 100 drops/min. (1 drop/min. steps)
Accuracy	
- "mL/h" control mode	±10% (Using water or Sodium Chloride Solution and the recommended infusion set)
- Drops/min. control mode	±2% (10 minutes after the start of infusion, and after solution drips more than 500 times)
Volume delivered	0 to 9,999mL
Delivery limit range	0 to 9,999mL (1mL steps), "----" (Delivery limit free)
Purge flow function	More than 300mL/h
Alarms	AIR / OCCLUSION / EMPTY / FLOW ERR. / DOOR / LOW BATTERY / FREE FLOW / BATTERY ERR. / DRIP SENSOR ERR. <ul style="list-style-type: none"> • Occlusion detection pressure: 39.2 to 117.7 kPa (0.4 to 1.2 kgf/cm²) • Warning light or display and buzzer come on and pump stops except during "LOW BATTERY" alarm.
Infusion complete function	When the total volume delivered reaches the preset delivery limit, light and buzzer sound notifies the operator.
Alarm terminal	Outputs an alarm relay contact (can be connected to nurse-call) Contact rating: DC 24V, 0.5A
Special functions	<ul style="list-style-type: none"> • KEEP VEIN OPEN (KVO) function KEEP VEIN OPEN function continues infusion at flow rate of 3mL/h after delivery limit (preset volume) has been reached. (When the drip volume is set to 60 drops/mL, KVO rate is 1 mL/h.) • Tubing clamp function Tubing clamp squeezes infusion tubing shut when pump door is opened. • Volume delivered clear function Holding down the [ΣmL CLEAR] switch for about 0.5 seconds clears the volume delivered reading.

Special functions	<ul style="list-style-type: none"> • Volume memory function In the "Memory Mode", the previous delivery rate and delivery limit will be indicated on the display when the power is turned on. (The mode can be changed by using the internal mode select switch.) • Repeat alarm function The repeat alarm function buzzer sounds again if no corrective action is taken within two minutes after the buzzer was switched off in the standard mode. (The mode can be changed by using the internal mode select switch.) • Start reminder alarm function The buzzer sounds when the pump is ready to deliver the solution but remains out of operation for two minutes in the standard mode. (The mode can be changed by using the internal mode select switch.)
Operating conditions	+10 to +40°C, 30 to 85% RH (no condensation)
Storage conditions	-20 to +45°C, 10 to 95% RH (no condensation)
Power supply	<ul style="list-style-type: none"> • AC 100 to 240V, 50/60Hz • Internal Nickel-Cadmium battery can run the pump continuously for about 2 hours. (If the battery is new and the pump operates at the delivery rate of 25 mL/h after 12 hour's charging with the power off.)
Power consumption	Less than 16 VA
Classification	Class I / Internal power supply / Type CF / IPX1
Dimensions	130 (W) x 180 (H) x 136 (D) mm
Weight	Approx. 2.3 kg
Accessories	AC power cord: 1 Drip sensor: 1 Time lag fuses: 2 Instruction manual: 1
Option	Alarm terminal cord: 1

*Specifications and design are subject to change without notice.

Units Available

Reorder number	Voltage	Plug type	Socket type
TE*112W1	100 to 240V	American type	☐
TE*112W2	100 to 240V	UK type	⏏
TE*112W3	100 to 240V	European type	⦿

We herewith declare that this product complies with the requirements of EC Directive 89/336/EEC for electromagnetic compatibility in accordance with EN60601-1-2 and IEC601-2-24.



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