

Terufusion®

Infusion pump TE-LF600

Product Information Card



Technical Data

Product Specifications	
Type of device	Volumetric infusion pump
Classification	Class I and internally powered equipment, Type CF (according to IEC/EN 60601-1) Class IIb medical device (according to Council Directive 93/42/EEC)
Moisture protection	IP 22
EMC	IEC/EN 60601-1-2, IEC/EN 60601-2-24
Operating conditions	5 - 40°C Relative humidity: 20 - 90% without condensation
Size / Weight	For TE-LF600 without external communication (RS-232C): 253 mm (W)* ¹ x 120 mm (H)* ¹ x 102 mm (D)* ² , Approx. 2 kg For TE-LF602 with external communication (RS-232C): 253 mm (W)* ¹ x 120 mm (H)* ¹ x 121 mm (D)* ² , Approx. 2 kg <i>*¹: Excluding protrusions, *²: Excluding protrusions, pole clamp and moving range</i>
Performance Data	
Compatible disposables	Infusion set (TERUMO)
Flow rate setting range	3.00 to 300.00 mL/h (when setting is 20 drops/mL) 1.00 to 100.00 mL/h (when setting is 60 drops/mL)
Flow rate display change	1.00 mL/h step* <i>*: Step can be used when flow rate is set by the Dial. (It will be 0.00 mL/h when the power is turned on)</i>
Flow rate accuracy	Within ±10% (The hourly precision after one hour has passed since the start of solution delivery, in the case where water or a physiological saline solution is used at a constant flow rate of minimum flow rate or more (ambient temperature: 23±2°C) according to IEC 60601-2-24 standard)
Purge	Approx. 300 mL/h or more (depending on the infusion set to be used)
Hands on bolus	100.00 to 300.00 mL/h (when setting is 20 drops/mL) 100.00 mL/h (when setting is 60 drops/mL) (100.00 mL/h step)
Hands free bolus ¹	0.01 to 10.00 mL (0.01 mL step) 10.00 to 100.00 mL (0.10 mL step) 100.00 to 999.00 mL (1.00 mL step)
Flow rate calculation	Through setting of volume and time
KVO ¹	Allows to set the KVO flow rate within the following ranges When using an infusion set of 20 drops/mL: 3.00 mL/h (fixed) When using an infusion set of 60 drops/mL: 1.00 to 3.00 mL/h
Standby (Pause) ¹	Default: 24 hours Configurable up to 24 hours with 10 minutes intervals
Operator Interface	
User interface	Standardized user interface for Terufusion pump series
Display	4.3 inch full color LCD
Keypad	7 keys: Power, Start, Stop, Purge, Display Select, Back/Mute, Confirmation

¹ Special function that can be enabled by TERUMO trained service technicians by changing the internal settings of the pump

Safety System	
Free flow protection	Drip sensor can detect free flow (free flow alarm)
Occlusion detection pressure	Upper occlusion detection pressure: -100 to -30 kPa Lower occlusion detection pressure: 30 to 120 kPa (set value) The lower occlusion detection pressure can be set in 10 levels
Air-in-line detection	Yes
Drop control	Drip sensor
Alarm indicators	Alarm signal with clear text on LCD
Alarms	Upper Occlusion alarm, Lower Occlusion alarm, Air-in-line alarm, Door alarm, Flow Rate Abnormality alarm, Free Flow alarm, Line Empty alarm, Battery alarm, Re-alarm, Start Reminder, No Flow Rate alarm, No VTBI alarm, Flow Rate/VTBI Volume Judgment alarm, Completion alarm

Power Supply	
Power supply	AC 100-240V, 50-60 Hz Internal battery (Lithium ion battery)
Battery operating time	Approx. 5 hours (at 25 mL/h and 25°C with a new fully charged battery)
Battery recharging time	≥ 8 hours (when charged with AC power supply with the power turned off)

History and Interfaces	
History	Latest 10.000 events can be stored
Interface type	RS-232C (TE-LF602 only)
Nurse call	RS-232C (TE-LF602 only)

Product Codes					
Without RS-232 ¹	With RS-232 ²	Labeling	AC cord	Barcode LF600	Barcode LF602
TE-LF600EN1	TE-LF602EN1	English	European G.B	4987350877178	4987350877192
TE-LF600EN2	TE-LF602EN2			4987350713445	4987350714169
TE-LF600DE1	TE-LF602DE1	German	European	4987350713469	4987350714183
TE-LF600FR1	TE-LF602FR1	French		4987350713483	4987350714206
TE-LF600IT1	TE-LF602IT1	Italian		4987350713506	4987350714220
TE-LF600IT3	TE-LF602IT3		Italian	4987350713520	4987350714244
TE-LF600NL1	TE-LF602NL1	Dutch	European	4987350713544	4987350714268
TE-LF600RU1	TE-LF602RU1	Russian		4987350713568	4987350714282
TE-LF600ES1	TE-LF602ES1	Spanish		4987350713582	4987350714305
TE-LF600SV1	TE-LF602SV1	Swedish		4987350713605	4987350714329
TE-LF600NO1	TE-LF602NO1	Norwegian	Danish	4987350713629	4987350714343
TE-LF600DA4	TE-LF602DA4	Danish		4987350713643	4987350714367

¹ Without RS-232 connection. Without infrared communication/Wireless LAN functions.

² With RS-232 connection. Without infrared communication/Wireless LAN functions.