

Terufusion®

Syringe pump TE-SS800

Product Information Card



Technical Data

Product Specifications	
Type of device	Syringe 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 24
EMC	IEC/EN 60601-1-2, IEC/EN 60601-2-24
Operating conditions	Ambient temperature: 5 - 40°C Relative humidity: 20 - 90%RH (non-condensing)
Size / Weight	381 mm (W) x 120 mm (H) x 112 mm (D), Approx. 2 kg (excluding protrusions)
Performance Data	
Compatible disposables	Specified syringes for general use and specified pre-filled syringes
Flow rate setting range	0.01 - 150 mL/h (for 5 mL syringes) 0.01 - 1200 mL/h (for 50/60 mL syringes) 0.01 - 300 mL/h (for 10, 20 and 30 mL syringes)
Flow rate display change	0.01 mL/h step (0.01 to 10.00 mL/h)* 1.00 mL/h step (100.00 to 1200.00 mL/h)* 0.10 mL/h step (10.00 to 100.00 mL/h)* *: 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.)
Accuracy	<u>Mechanical accuracy</u> : ± 1% (flow rate ≥1 mL/h) <u>Accuracy including syringe</u> : ± 3% (for all compatible syringe brands indicated in the IFU) <u>Typical accuracy</u> : 2% (incl. mechanical accuracy and syringe accuracy) (i.e. 95% confidence interval) when using Terumo, B.Braun, Omnifix, BD Plastipak Perfusion, Codan and Nipro syringes. (The hourly precision after one hour has passed since the start of infusion at a constant flow rate of 1.00 mL/h or more according to IEC 60601-2-24 standard)
Purge	Approx. 150 mL/h (when using syringes of 5 mL) Approx. 300 mL/h (when using syringes of 10 mL) Approx. 400 mL/h (when using syringes of 20 mL) Approx. 500 mL/h (when using syringes of 30 mL) Approx. 1200 mL/h (when using syringes of 50/60 mL)
Hands on bolus	100 mL/h (when using syringes of 5 mL) 100 to 300 mL/h (when using syringes of 10 mL, 20 mL, 30 mL) 100 to 1200 mL/h (when using syringes of 50/60 mL) (100 mL/h step)
Hands free bolus	Dose rate setting range: 0.01 to 10 (0.01 step), 10 to 100 (0.10 step), 100 to 999 (1.00 step) (In units such as mL and mg/kg etc.) Dose time setting range: 1 second to 60 minutes (1 second step)
Dose mode	mL/h mode, µg/kg/min mode, mg/kg/h mode, Library mode
Advanced dose mode	Interval/Intermittent Mode: Two specified dosage rates are alternately delivered at regular intervals for the specified number of steps. Multi-Step Mode: The speed of solution delivery increases or decreases at the specified levels (up to 10 levels). Delayed start: solution delivery starts after the specified time has elapsed. To be able to use the advanced mode, the drug library needs to be installed. To install the drug library, separate dedicated software is required - please contact your local Terumo office.
Combination dose mode	Pair Piggy
Dose setting units	mL/h, munit/kg/min, mmol/kg/h, mg/day, mEq/min, ng/kg/min, munit/kg/h, mmol/kg/day, g/min mEq/h, ng/kg/h, munit/kg/day, mol/kg/min, g/h, mEq/day, ng/kg/day, unit/kg/min, mol/kg/h, g/day, mmol/min, µg/kg/min, unit/kg/h, mol/kg/day, munit/min, mmol/h, µg/kg/h, unit/kg/day, ng/min, munit/h, mmol/day, µg/kg/day, kunit/kg/min, ng/h, munit/day, mol/min, mg/kg/min, kunit/kg/h, ng/day, unit/min, mol/h, mg/kg/h, kunit/kg/day, µg/min, unit/h, mol/day, mg/kg/day, mEq/kg/min, µg/h, unit/day, g/kg/min, mEq/kg/h, µg/day kunit/min, g/kg/h, mEq/kg/day, mg/min, kunit/h, g/kg/day, mmol/kg/min, mg/h, kunit/day
KVO ¹	Configurable 0.1 mL/h - 3.0 mL/h (only if VTBI functions is enabled)
Standby (Pause) ¹	Default: 24 hours Configurable up to 24 hours with 10 minutes intervals

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

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		
Safety System			
Drug library	Up to 3000 drug entries. Up to 30 user defined profiles. To be able to use the drug library, separate dedicated software is required - please contact your local Terumo office.		
Occlusion detection pressure	10 to 120 kPa (set value) The occlusion detection pressure can be set in 10 levels		
Bolus reduction	When an occlusion occurs, the slider is drawn back to reduce the internal pressure		
Alarm indicators	Alarm signal with clear text on LCD		
Alarms	Occlusion alarm, Pressure alarm, Nearly Empty alarm, Slider Displacement alarm, Syringe Barrel Detection alarm, Syringe Displacement alarm, Plunger Displacement alarm, Battery alarm, Re-alarm, Start Reminder, No Flow Rate alarm, No VTBI alarm*, Flow Rate/VTBI Volume Judgment alarm*, Completion alarm*, Link Interruption alarm <i>*: Only if the VTBI setting function is enabled (Default: disabled)</i>		
Power Supply			
Power supply	AC 100-240V, 50-60 Hz Internal battery (Lithium ion battery)		
Battery operating time	Approx. 12 hours (at 5 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	IrDA and Wireless LAN		
Product Codes			
With infrared communication and W-LAN function	Labeling	AC cord	Barcode
TE-SS800EN1	English	European G.B	4987350877314
TE-SS800EN2			4987350713162
TE-SS800DE1	German	European	4987350713186
TE-SS800FR1	French		4987350713209
TE-SS800IT1	Italian	Italian	4987350713223
TE-SS800IT3			4987350713247
TE-SS800NL1	Dutch	European	4987350713261
TE-SS800RU1	Russian		4987350713285
TE-SS800ES1	Spanish	European	4987350713308
TE-SS800SV1	Swedish		4987350713322
TE-SS800NO1	Norwegian	Danish	4987350713346
TE-SS800DA4	Danish		4987350713360
TE-SS800PL1	Polish	European	4987350713384
TE-SS800HU1	Hungarian		4987350713407
TE-SS800SK1	Slovak		4987350713421

**Terumo Corporation**

44-1, 2-chome, Hatagaya
Shibuya-ku, Tokyo 151-0072,
Japan
Tel.: +81 3 3374 8111
Fax: +81 3 3374 8196

European Headquarters**Terumo Europe N.V.**

Interleuvenlaan 40
3001 Leuven, Belgium
Tel.: +32 16 39 25 80
Fax: +32 16 40 02 49

European Offices**Terumo Europe N.V.****Benelux Sales Division**

Interleuvenlaan 40
3001 Leuven, Belgium
Tel.: +32 16 39 25 80
Fax: +32 16 39 25 99
The Netherlands:
Tel.: 0800 0220396
Fax: 0800 0220414

Laboratoires Terumo France S.A.

Parc Ariane - Bât. Uranus
1, rue Hélène Boucher
78284 Guyancourt Cedex, France
Tel.: +33 130 96 13 00
Fax: +33 130 43 60 85

Terumo Deutschland GmbH

Ludwig-Erhard-Strasse 6
65760 Eschborn, Germany
Tel.: +49 6196 80 230
Fax: +49 6196 80 23 200

Terumo Deutschland GmbH

Zweigniederlassung Spreitenbach
Bodenackerstrasse 3
8957 Spreitenbach, Switzerland
Tel.: +41 56 419 10 10
Fax: +41 56 419 10 11

Terumo Europe España SL

Avda. Juan Carlos I, Nº 13 - 7ª Planta
Edificio Torre La Garena
28806 Alcalá de Henares (Madrid),
Spain
Tel.: +34 9021 01 298
Fax: +34 9021 01 358

Terumo Italia S.r.l.

Via Simone Martini, 143 / 145
00142 Roma RM,
Italy
Tel.: +39 0651 96 14 20
Fax: +39 0650 30 407

Terumo Sweden AB

Nya Varvet, Byggnad 90
Sven Källfelts Gata 18
426 71 Västra Frölunda,
Sweden
Tel.: +46 3174 85 880
Fax: +46 3174 85 890

Terumo Denmark**Filial of Terumo Sweden AB**

Tel.: +45 7020 93 80
Fax: +45 7020 94 80

Terumo UK Ltd

Tamesis
The Causeway
Egham, Surrey
TW20 9AW, United Kingdom
Tel.: +44 1784 476 200
Fax: +44 1784 476 201

Terumo Russia LLC

BC Northern Tower
13 Floor, 10 Testovskaya Street
Moscow 123317, Russia
Tel.: + 7 495 988 4740
Fax: + 7 495 988 4739

**Terumo Corporation Dubai Branch
(Middle East and Africa)**

Al Masraf Tower, 22nd Floor
P. O. Box 20291 Dubai
U.A.E.
Tel.: + 971 4 221 2220
Fax: + 971 4 221 3330

*Addresses subject to change,
please consult our Website.*



© Registered Trademark
Published by Terumo Europe N.V.
HO 135GB-0413FK-I(04.13)E