

Technical data

	TE-SS73X series	TE-SS83X series
Model	TE-SS730/TE-SS732 ¹	TE-SS830 / TE-SS835
Type of device	Syringe pump	
Classification & compliance to standards	Class I and internally powered equipment, Defibrillation-proof type CF applied part (according to IEC/EN 60601-1) Class IIb medical device (according to Council Directive 93/42/EEC) IEC/EN 60601-1-2, IEC/EN 60601-2-24	
Protection against harmful ingress of water or particulate matter	IP 24	
Dimensions / Weight	TE-SS730/SS830/SS835: 381 mm (W) x 120 mm (H) x 112 mm (D), approx. 2.0 kg TE-SS732: 381 mm (W) x 120 mm (H) x 131 mm (D), approx. 2.0 kg	
Compatible disposables	Luer lock syringes (TERUMO and other specified brands) Sizes: 5, 10, 20, 30, 50/60 mL	
Flow rate setting range	0.01 - 150 mL/h (for 5 mL syringes) 0.01 - 300 mL/h (for 10, 20 and 30 mL syringes) 0.01 - 1200 mL/h (for 50/60 mL syringes)	
Flow rate display change	0.01 mL/h step (0.01 to 10.00 mL/h) 0.10 mL/h step (10.00 to 100.00 mL/h) 1.00 mL/h step (100.00 to 1200.00 mL/h) (Will be 0.00 mL/h when power is turned on)	
Dose mode	mL/h, µg/kg/min, mg/kg/h	mL/h, µg/kg/min, mg/kg/h, Drug Library
Advanced dose mode	N/A	Interval/intermittent mode. Multi-step mode. Delayed start mode. (To be able to use the advanced mode, the drug library ² needs to be installed.)
Combination dose mode	N/A	Solo and Pair Piggyback / Take Over
KVO ¹	Configurable: 0.1 mL/h - 3.0 mL/h, 0.1 mL/h step	
Drug library ²	N/A	Up to 3000 drug entries. Up to 30 user defined profiles.
Free flow protection	N/A	
Alarms	Occlusion, Nearly Empty, Slider Displacement, Syringe Barrel Detection, Syringe Displacement, Plunger Displacement, Battery, Re-alarm, Start Reminder, No Flow Rate, No VTBI*, Flow Rate/VTBI Volume Judgment*, Completion*, Power failure, Shutdown Notice *: Only if the VTBI setting function is enabled (Default: disabled)	Occlusion, Pressure, Nearly Empty, Slider Displacement, Syringe Barrel Detection, Syringe Displacement, Plunger Displacement, Battery, Re-alarm, Start Reminder, No Flow Rate, No VTBI*, Flow Rate/VTBI Volume Judgment*, Completion*, Link Interruption, Power failure, Shutdown Notice *: Only if the VTBI setting function is enabled (Default: disabled)
Power supply	AC 100-240V, 50-60 Hz, Internal battery (Lithium ion battery), Sub-battery (NiMH)	
Main battery operating time	Approx. 12 hours (at 5 mL/h and 25°C with a new fully charged battery)	
Main battery recharging time	≥8 hours (when charged with AC power supply with the power turned off), battery can be charged to 80% in 3 hours	
External communication function	RS-232C (only on TE-SS732)	IrDA and Wireless LAN (IEEE802.11b) (IEEE802.11b/g/n only on TE-SS835)

¹ Keep vein open: special function that can be enabled by TERUMO trained service technicians by changing the internal settings of the pump.

² For installation separate dedicated software is required - please contact your local Terumo office.

TE-LF63X series	TE-LM73X series	TE-LM83X series
TE-LF630/TE-LF632¹	TE-LM730/TE-LM732¹	TE-LM830 / TE-LM835
Volumetric infusion pump		
Class I and internally powered equipment, Defibrillation-proof type CF applied part (according to IEC/EN 60601-1) Class IIb medical device (according to Council Directive 93/42/EEC) IEC/EN 60601-1-2, IEC/EN 60601-2-24		
IP 22		
TE-LF630/LM730/LM830/LM835: 253 mm (W) x 120 mm (H) x 102 mm (D), approx. 2.0 kg TE-LF632/LM732: 253 mm (W) x 120 mm (H) x 121 mm (D), approx. 2.0 kg		
Infusion set (TERUMO)	TERUMO dedicated infusion sets (with Free Flow Protection)	
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)	When not using the drip sensor 0.10 to 1200.00 mL/h When using the drip sensor 0.10 to 1200.00 mL/h (when setting is 20 drops/mL) 0.10 to 300.00 mL/h (when setting is 60 drops/mL)	
0.01 mL/h step (0.00 to 10.00 mL/h) 0.10 mL/h step (10.00 to 100.00 mL/h) 1.00 mL/h step (100.00 to 999.00 mL/h) (Will be 0.00 mL/h when power is turned on)	0.10 mL/h step (0.10 to 100.00 mL/h) 1.00 mL/h step (100.00 to 1200.00 mL/h) (Will be 0.00 mL/h when power is turned on)	
mL/h	mL/h, µg/kg/min, mg/kg/h	mL/h, µg/kg/min, mg/kg/h, Drug Library
N/A		Interval/intermittent mode. Multi-step mode. Delayed start mode. (To be able to use the advanced mode, the drug library ³ needs to be installed.)
N/A		Piggy / Take Over Mode
When using an infusion set of 20 drop/mL: 3.00 mL/h (Fixed) When using an infusion set of 60 drop/mL: 1.00 to 3.00 mL/h	0.10 to 3.00 mL/h (when not using the drip sensor (optional accessory)) When using the drip sensor (optional accessory): When using an infusion set of 20 drop/mL: 3.00 mL/h (Fixed) When using an infusion set of 60 drop/mL: 1.00 to 3.00 mL/h	
N/A		Up to 3000 drug entries. Up to 30 user defined profiles.
Drip sensor can detect free flow (free flow alarm)	Anti-free flow clip installed inline	
Upper Occlusion, Lower Occlusion, Air-in-line, Door, Flow Rate Abnormality, Free Flow, Line Empty, Battery, Re-alarm, Start Reminder, No Flow Rate, No VTBI, Flow Rate/VTBI Volume Judgment, Completion	Upper Occlusion alarm, Lower Occlusion alarm, Nearly Empty alarm, Pressure alarm ¹ , Air-in-line alarm, Door alarm, Flow Rate Ab- normality alarm, Free Flow alarm, Line Empty alarm, Drip Sensor Dislocation alarm, Battery alarm, Shutdown Notice alarm, Power Failure alarm, Re-alarm, Start Reminder, No Flow Rate alarm, No VTBI alarm, Completion alarm	Upper Occlusion alarm, Lower Occlusion alarm, Nearly Empty alarm, Pressure alarm ¹ , Air-in-line alarm, Door alarm, Flow Rate Ab- normality alarm, Free Flow alarm, Line Empty alarm, Drip Sensor Dislocation alarm, Battery alarm, Shutdown Notice alarm, Power Failure alarm, Re-alarm, Start Reminder, No Flow Rate alarm, No VTBI alarm, Completion alarm, Link Interruption alarm
AC 100-240V, 50-60 Hz, Internal battery (Lithium ion battery), Sub-battery (NiMH)		
Approx. 5 hours (at 25 mL/h at 25°C with a new fully charged battery)		
≥8 hours (when charged with AC power supply with the power turned off), battery can be charged to 80% in 3 hours		
RS-232C (only on TE-LF632)	RS-232C (only on TE-LM732)	IrDA and Wireless LAN (IEEE802.11b, IEEE802.11b/g/n only on TE-LM835)