



# TOP Infusion Pump TOP-2200

**A Compact, High-Performance Pump  
Which Achieves a New Level in Safety**



# TOP Infusion Pump

## TOP-2200

### Specifications

<b>Description</b>	TOP Infusion Pump	
<b>Model</b>	TOP-2200	
<b>Pump type</b>	Peristaltic finger	
<b>Applicable IV sets</b>	TOP IV sets H-Series for infusion pumps, and other standard IV sets (15, 19, 20, 60 drops/mL)	
<b>Flow rate range</b>	Drop counting Control Mode	Volumetric Control Mode
With H series TOP IV sets:	1 to 100 drops/min	1 to 999mL/h
With 15 drops/mL standard IV sets:	1 to 100 drops/min	4 to 400mL/h
With 19 drops/mL standard IV sets:	1 to 120 drops/min	3 to 380mL/h
With 20 drops/mL standard IV sets:	1 to 120 drops/min	3 to 360mL/h
With 60 drops/mL standard IV sets:	1 to 150 drops/min	1 to 150mL/h
<b>Volume limit range</b>	1 to 9,999mL/h [in 1mL increments]	
<b>Total volume infused range</b>	1 to 9,999mL/h [in 1mL increments]	
<b>Purge rate</b>	Maximum flow rate of IV set used	
<b>Infusion accuracy</b>	±10% when used in volumetric control mode ±2% when used in drop counting control mode (at ≥300 drops)	
<b>Alarms</b>	Empty container, Air-in-line, Occlusion, Irregular drop count, Infusion Door open, No drop sensor, Low battery, and internal device malfunctions	
<b>Air bubble detection</b>	Can be set to any of 3 levels: 50µL, 0.1mL/15min, 1mL/15min	
<b>Occlusion Pressure</b>	Can be set to any of 4 levels when TOP-H sets are used, and either of 2 levels when standard IV sets are used.	
<b>Special functions</b>	<p><b>Keep Vein Open (KVO):</b> After the programmed infusion volume has been delivered, infusion is continued at a minimal rate to prevent clot formation.</p> <p><b>Auto power off:</b> During battery operation, when pump is left for 3 minutes with infusion stopped or in an alarm state, the buzzer sounds. After the buzzer has been left sounding for 3 minutes, the power shuts off automatically.</p> <p><b>Alarm reminder:</b> Unless the cause of an alarm is corrected within 2 minutes after operator has pressed the "Silence" key, the alarm will sound again to remind operator of problem.</p> <p><b>Buzzer sound setting:</b> Audible indication of standby and infusion in progress can be turned on or off.</p> <p><b>Flow Rate Display:</b> Flow rate can be displayed as a drop count or volumetric flow.</p> <p><b>Tubing Clamp:</b> Automatically stops infusion when pump door is open.</p> <p><b>Power supply switched alarm:</b> An alarm sounds when power from the AC source is interrupted and the unit switches to battery operation.</p>	
<b>Operating conditions</b>	Temperature: +10 to 40°C Relative humidity: 30 to 85% (no condensation)	
<b>Storage conditions</b>	Temperature: -10 to 45°C Relative humidity: 10 to 90% (no condensation)	
<b>Power supply</b>	AC power: 100 to 240V±10%VAC, 50/60 Hz Battery life is approx. 2 hours (at 25 mL/h infusion using new battery in fully charged state) External DC power: 12 to 15 VDC (external power cord optional)	
<b>Input current</b>	AC power: ≤0.3A~ External DC power: ≤0.7A=	
<b>Classification</b>	Class I, type CF, IPX1 (drip-proof)	
<b>Dimensions</b>	84mm(W)X200mm(H)X200mm(D) (not including protective cover)	
<b>Weight</b>	Approx. 2.2kg	
<b>Accessories</b>	AC power cord, Drop sensor, Operation guide	
<b>Options</b>	IV stand for TOP Infusion Pump/Multiple pump stand/Cable for multi-pump connection/Pole clamp/External power cord/Cable for nurse call connection	

### TOP Infusion Stand



## TOP IV Sets H-series

TOP IV sets H-series have been designed specifically for use with TOP infusion pumps. The tubing inner diameter has been held to a closer tolerance than in general-use TOP IV sets and is made of highly resilient material, enabling



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