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# INfusia

## VP7 Volumetric Infusion Pump

For Veterinary Use Only

The INfusia volumetric pump is designed for continuous delivery of medications, nutrients or other parenteral fluids by Veterinary Professionals.

System Accuracy  $\pm$  5%, proprietary drop sensor technology for precise infusion

Accepts any ISO 8536-compliant set

Anti-free flow clamp, automatically engaged when door is opened

Three delivery modes: Rate, Time and Volume

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Hardware		Performance	
Mechanism	Linear peristaltic pumping mechanism	Priming	Manual or by using the purge/bolus function of the pump
Accuracy	+/- 5%	KVO rate	Automatic KVO at end of infusion 1 mL/h for infusion flow rate < 10 mL 3 mL/h for infusion flow rate > 10 mL
A/C power	Yes	Rate titration	Yes, In rate mode
D/C power	Yes	Loading dose	Yes
Battery	Lithium-ion polymer battery: 11.1 Vdc, 2000 mAh	Delivery modes	Rate setting mode - mL/h, drops/min Time setting mode - minutes, mL/h, drops/min Volume setting mode - mL/h
Battery charger	Internal	Safety Systems	
Battery life	approx. 8 hrs at 25 mL/hr.	Alarm Volume	Adjustable Low, Medium, High
Battery recharge time	Pump OFF: < 10 h, Pump ON: < 14 h	Occlusion settings	3 Preset levels High (H) < 1125 mmHg Medium (M) < 750 mmHg Low (L) < 450 mmHg
Weight	4.4 lbs (2 kg)	Post-occlusion bolus reduction	Yes
Dimensions	H x W x D 9.1 x 4.9 x 4.9 in.	Pump status -alarm indicators	Text display of current status, red alarm alert for warnings, KVO and Bolus indicator All alarms are expressed by means of light indicators, written words and sound beeps
Display	Color LCD screen with LCD displays	Infusion control - alarms	Occlusion pressure alarm, end of infusion alarm, air bubble alarm, rate error alarm, empty bag alarm
Screen size	1.5 x 3.7 in.	Device control - alarms	Door open alarm, low battery alarm, technical fault alarm, no battery
Key pad	Increment and decrement arrows	Air sensor	50 µL
Infusion log	Biomed accessible, 5000 most recent infusion and alarm history events	Key pad lock	Automatic key pad lock
Free-flow protection	Anti-free flow clamp is engaged when door is open	Technical Specifications	
Calibration	On site calibration available	Compliance standard	EN 60601-1, EN 60601-1-2, EN 60601-2-24
Communication		Waterproofness	IPX4
RS232	Yes	Electrical compliance	Protection against leakage current: CF type Protection against electric shocks: class I
Performance		Power supply	100 Vac - 240 Vac, 50/60 Hz, 35 VA
Flow rate range	1.0 mL/h - 1200 mL/h 1.0 - 99.9 mL/h, 0.1 mL/h increment 100 - 1200 mL/h, 1 mL/h increment 1 - 400 drops/min, 1 drop/min increment	Environmental	RoHS Compliance 2017
Infusion time	1 to 1999 min (Increments 1 min)	EMC (Electromagnetic Compatibility)	NRTL Mark (UL) EN/IEC 60601-1-2/AC2010 EN/IEC 60601-2-24
Volume to be Infused (TAR. VOL.)	0.0 to 9999 mL 1 mL increments		
Bolus rate	1 - 1200 mL/h 0.1 - 99.9 mL/h, 0.1 mL/h increment 100 - 1200 mL/h, 1 mL/h increment		
Bolus volume	1 to 100 mL (increments 1 mL)		
Purge rate	600 mL/h		

Refer to the instructions for use for a list of warnings and precautions associated with the device.

**⚠ Warning: Flow rate accuracy can be influenced by administration set configuration, fluid viscosity, and fluid temperature.**  
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