

HOSPIRA GEMSTAR AMBULATORY INFUSION PUMPS

Accessories:

- Detachable Pole Clamps
- Remote Bolus Cord
- Lockable Safety Shells
- Pump Holster
- Keypad Covers



DEVICE SPECIFICATIONS

DIMENSIONS	5.7"x 3.8"x 2.0"
WEIGHT	Approximately 18 oz (526 grams) excluding batteries
POWER SOURCES	AC Mains: Wall-mount AC mains adaptor; 6 ft. (1.8 m) cord molded plug Input: 110 VAC Output: 3.0 VDC
TABLETOP	AC mains adaptor; molded plug Input: 100–240 VAC Output: 3.0 VDC
BATTERY	Two disposable AA alkaline batteries



BATTERY PACK	Lithium-ion rechargeable battery (using GemStar® AC mains adapter)
DOCKING STATION	Mounts on an I.V. pole; 10 ft. (3 m) cord Input: 100–240 VAC Output: 3.0 VDC Internal lithium ion rechargeable battery
POWER CAPACITY	Using two fresh, disposable AA batteries or a charged battery pack, at temperature between 59° F and 95° F (15° C and 35° C), the pump is capable of delivering approximately: 96 hours at rates below 5 mL/hr 48 hours at rates at or above 5 mL/hr but below 25 mL/hr 24 hours at rates at or above 25 mL/hr but below 125 mL/hr 3000 mL at a rate of 125 mL/hr or higher
PUMP MECHANISM	Volumetric, Piston Driven
MEMORY PROTECTION	Current program and 400-event (history) log protected by internal battery-backed memory for at least one year after power is removed
OPERATING CONTROLS	One 23-key keypad; bolus, data port, and AC mains jacks; bolus button
EXTERNAL POWER LED	Green LED marked with plug icon lights continuously when pump is connected to AC mains power Green LED flashes when pump is connected to external batteries
ALARM LED	Red LED marked with alarm icon lights during alarm conditions



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AUDIBLE ALARM	The audible alarm is user-adjustable from the maximum volume down to silent The alarm cannot be turned off completely. The alarm automatically reverts to the maximum volume if the user does not respond within one minute
DISPLAY	Backlit, four-line-by-sixteen-character alphanumeric graphics display Backlight on AC: Continuous Backlight on Batteries: Continuous during programming, program review, and history display; otherwise activated by keypress or alarm; not activated by bolus request
REAL TIME CLOCK	Accuracy of ± 5 minutes per month or better at temperatures between 59° F and 95° F (15° C and 35° C)
PRINT FUNCTION	Port & Interface: RS-232 serial interface port (data port), minimum baud rate of 2400, isolated circuit Printers: Seiko DPU 414 or compatible serial printer
SYSTEM ACCURACY	Continuous: $\pm 10\%$ for rates of 0.1 mL to less than 5 mL/hr $\pm 5\%$ for rates of 5 mL to 1000 mL/hr
AIR SENSITIVITY	ON: Pump alarms at approximately 0.5 mL of air Alarms for any bubble greater than 500 microliters with a tolerance of 200 microliters 2 mL: Pump alarms at approximately 2 mL of air Alarms when pump detects 2.0 +1.0/-0.2 mL of air in 6 mL of total volume delivered OFF: Alarm is not activated Recommend using air-eliminating filter when Air Sensitivity is set OFF



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OCCLUSION SENSITIVITY	Distal Occlusion: Alarms when pump detects distal pressure within a selectable range: Low: 7 psi (48 kPa) \pm 5 psi (\pm 34 kPa) Medium: 12 psi (83 kPa) \pm 8 psi (\pm 55 kPa) High: 26 psi (179 kPa) \pm 14 psi (\pm 96 kPa) Proximal Occlusion: Alarms when pump detects proximal pressure less than or equal to -4 psi (-28 kPa)
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