

CADD®-Solis VIP and Pain Management Pumps

Comparison Tool

smiths medical
cadd®



General Information

Specifications	CADD®-Solis VIP Pump Model 2120	CADD®-Solis Pain Management Pump Model 2110
Type of Device	Multi-therapy Ambulatory Infusion pump	Hospital Pain Management System
Medication Safety Software (MSS)	Yes - meets industry guidelines for smart pump technology	Yes - meets industry guidelines for smart pump technology
Medication Safety Software Application(s)	CADD®-Solis Medication Safety Software - Administrator	CADD®-Solis Medication Safety Software - Administrator
Indications for Use	Indications for Use: <ul style="list-style-type: none"> • Intravenous • Intra-arterial • Subcutaneous • Intraperitoneal • Perineural • Surgical site • Epidural space • Subarachnoid space 	Indications for Use: <ul style="list-style-type: none"> • Intravenous • Intra-arterial • Subcutaneous • Intraperitoneal • Epidural space • Subarachnoid space • In close proximity to nerves • Into an intraoperative site (soft tissue, body cavity/surgical wound site)
Delivery Modes	Non-Customizable in MSS <ul style="list-style-type: none"> • Continuous • Intermittent • PCA • Taper • Step 	Customizable in MSS <ul style="list-style-type: none"> • PCA • PCEA • PIB • PNB • Continuous
Screen color	Non-Customizable <ul style="list-style-type: none"> • Continuous: Grey • Intermittent: Blue • Step: Olive • Taper: Green Customizable in MSS <ul style="list-style-type: none"> • PCA: Purple or Yellow 	Customizable in MSS <ul style="list-style-type: none"> • Purple • Yellow • Blue • Green • Grey
Pumping Mechanism	Linear Peristaltic	Linear Peristaltic

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Pump Specifications



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Pump Size	4in X 5in X 1.6in	4in X 5in X 1.6in
Weight	21 oz. including (4) AA batteries	21 oz. including (4) AA batteries
System Delivery Accuracy	±6% (nominal)	±6% (nominal)
Continuous Flow Rates	<ul style="list-style-type: none"> 0.1-250 mL/hr with Standard Set 250-500 mL/hr with High Volume Set 0.1-100 mL/hr (PCA mode only) 	0.1-100 mL/hr
Maximum Delivery Rate	PCA Mode only: 40-250 mL/hr	<ul style="list-style-type: none"> 40-250 mL/hr with Standard Set 40-500 mL/hr with High Volume Set
Delivery Rate During Priming	<ul style="list-style-type: none"> 250 mL/hr with Standard Set 500 mL/hr with High Volume Set 	<ul style="list-style-type: none"> 250 mL/hr with Standard Set 500 mL/hr with High Volume Set
Pump Security	Automatically locks on start of infusion and after 30 seconds left on the Home screen	Automatically locks on start of infusion and after 30 seconds left on the Home screen
Security levels	<ul style="list-style-type: none"> Keypad code Clinician Code Administrator code Limited patient permissions available	<ul style="list-style-type: none"> Keypad code Clinician Code Administrator Code
Pump operations and tasks available without a security code	<ul style="list-style-type: none"> Stop Reset Reservoir Volume Taper down now View delivery settings Backlight intensity Alarm volume Sound theme Key beep on/off Current time Current Date View reports Step down (STEP mode only) 	None
Administration Set/Cassette Reservoir Options	<ul style="list-style-type: none"> CADD™ Medication Cassette Reservoirs with CADD® Extension Set CADD® Administration Sets CADD® High Volume Administration Sets Integral anti-siphon valve and/or Flow Stop free-flow protection available	<ul style="list-style-type: none"> CADD™ Medication Cassette Reservoirs with CADD® Extension Set CADD® Administration Sets CADD® High Volume Administration Sets Integral anti-siphon valve and/or Flow Stop free-flow protection available
Wired network communications	Yes – using CADD®-Solis MSS	Yes – using CADD®-Solis MSS

Programming Details



Specifications	CADD®-Solis VIP Pump Model 2120	CADD®-Solis Pain Management Pump Model 2110
Protocol Library	<ul style="list-style-type: none"> Protocol Library developed, edited on the PC, stored in a database on either the PC or network server. Stores up to 500 therapy/qualifier/drug protocols Libraries (or single protocols) are transferred onto the pump via USB-mini USB connection 	<ul style="list-style-type: none"> Protocol Library developed, edited on the PC, stored in a database on either the PC or network server. Stores up to 500 therapy/qualifier/drug protocols Libraries are transferred onto the pump via USB-mini USB connection
Programming Units	mL (all delivery modes) mL, mg, mcg (PCA only)	mL, mg, mcg
Reservoir Volume Limits	1.0 to 9,999 mL	1.0 to 9,999 mL
Titration	Available when pump stopped with defined security code, within defined hard limits.	Available when pump running or stopped with defined security code or key, within defined hard limits
Programmed Intermittent Bolus (PIB)	N/A	Available
Delayed Start	All (except Intermittent delivery mode) Up to (96 hours)	N/A
KVO Rates	PCA Mode Only: 0.1 mL/hr – only when Delivery Limit reached	0.1 mL/hr – only when Delivery Limit reached
Alarm Help Screens	Text, images and customizable support message	Text, images and customizable support message
Reports	<ul style="list-style-type: none"> Total Given (not available for PCA) Delivery History and Pie Chart Delivery Log Event Log Protocol Library Summary Device Information <p>PCA Mode includes five of the above and two additional:</p> <ul style="list-style-type: none"> Given and PCA Dose Counters PCA Dose Graph 	<ul style="list-style-type: none"> Given and PCA Dose Counters PCA Dose Graph Delivery History and Pie Chart Delivery Log Event Log Protocol Library Summary Device Information <p>PIB Mode includes all of the above and three additional:</p> <ul style="list-style-type: none"> Intermittent Bolus Status Intermittent Bolus Graph PCEA and Intermittent Graph
Event log	5000 events	5000 events
Alarm Volume and Sound Theme	Adjustable on pump (no code required)	Adjustable on pump (code required)
Pump Alarm/messages (Alarm priority and total number of alarms affiliated with each priority)	<ul style="list-style-type: none"> High Priority: 19 Medium Priority: 23 Low Priority: 10 Informational: 23 	<ul style="list-style-type: none"> High Priority: 20 Medium Priority: 19 Low Priority: 8 Informational: 23
High Pressure Alarm threshold	18 ± 9 psi	18 ± 9 psi
Downstream Occlusion sensitivity	Customizable on pump per Protocol or Therapy (in Advanced Tasks)	Customizable per Protocol (in the MSS only)

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Programming Details



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Air Detector Alarm	<p>CADD®-Solis VIP Pump Model 2120</p> <p>Sensitivity:</p> <ul style="list-style-type: none"> Low: Single bubble up to 2 mL of air Accumulated air: 2 mL (nominal) of multiple bubbles over 15 minutes High: Single bubble up to 0.15 mL Accumulated air: 1 mL (nominal) of multiple bubbles over 15 minutes <p>Option: On/off, Low or High</p> <p>Adjustable on pump in Advanced Tasks with security code</p>	<p>CADD®-Solis Pain Management Pump Model 2110</p> <p>Sensitivity:</p> <ul style="list-style-type: none"> Low: Single bubble > 0.4 mL High: Single bubble > 0.15 mL Accumulated air: >1 mL over 15 min <p>Option: On/off, Low or High</p> <p>Customizable in MSS. Not adjustable on the pump.</p>
Key Beeps	<p>Customizable in MSS (On/Off)</p> <p>(Key beeps are not audible when entering a security code)</p>	<p>Customizable in MSS (On/Off)</p> <p>(Key beeps are not audible when entering a security code)</p>
Preventive Maintenance reminder	<p>Adjustable on pump in Advanced Tasks with security code</p>	<p>Customizable in MSS. Not adjustable on the pump.</p>

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