

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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CADD®-Solis Pain Management Pump Model 2110

Pump Specifications



| Specifications | CADD®-Solis VIP Pump Model 2120 | CADD®-Solis Pain Management Pump Model 2110 |
|---|--|--|
| 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 • 0.1-500 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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| Air Detector Alarm | <p>High Sensitivity:</p> <ul style="list-style-type: none"> • Single bubble > 150 µL • Accumulated air > 2 mL over 15 minutes <p>High Sensitivity:</p> <ul style="list-style-type: none"> • Single bubble > 2 mL (2000 µL) • Accumulated air > 4 mL over 15 minutes <p>Option: On/off, Low or High</p> <p>Adjustable on pump in Advanced Tasks with security code</p> | <p>High Sensitivity:</p> <ul style="list-style-type: none"> • Single bubble > 150 µL • Accumulated air > 2 mL over 15 minutes <p>High Sensitivity:</p> <ul style="list-style-type: none"> • Single bubble > 2 mL (2000 µL) <p>Accumulated air > 4 mL over 15 minutes</p> <p>Option: On/off, Low or High</p> <p>Customizable in MSS, and on pump in Adjust Admin Settings</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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Smiths Medical ASD, Inc.
 6000 Nathan Lane North
 Minneapolis, MN 55442, USA
 Tel: 1-614-210-7300
 Toll-Free USA: 1-800-258-5361
www.smiths-medical.com

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