Stryker SmartPump Tourniquet

SOMA TECHNOLOGY, INC.™

New, Demo & Refurbished Medical Equipment

The **Stryker Smart Pump** is a dual channel tourniquet pump. It is designed for use by qualified medical personnel to temporarily impede blood flow in a patient's extremity in order to create a blood-free surgical zone. Its dual channel design supports single cuff, bilateral and Bier Block procedures, and allows for simultaneous surgery of both an upper and lower limb. Each cuff's unique pressure and time settings are displayed, controlled, and monitored independently. The SmartPump uses single port cuffs.

Features

- The procedure timer and cuff target pressure may be set using simple, intuitive steps. Control buttons are clearly identified.
- Inflation is initiated by pressing the Inflate button.
- Deflation is initiated by pressing and holding the Deflate button for 1.5 seconds.
- The large, bright, backlit LCD display shows total elapsed cuff inflation time and cuff pressure (mmHg). The displayed time format is user selectable: minutes or hours and minutes.

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Specifications

Dimensions	**Height:** 15.5 In *(39.4 cm)* **Width:** 10 In *(25.4 cm)* **Depth:** 9 In *(22.9 cm)* **Weight:** 12 lbs *(5.45 kg)*
Power Sources	**AC Input:** 100 - 240 VAC 50/60 Hz universal switching power supply Automatic internal battery switchover for AC–free use or AC loss protection **Facility power:** 120 VAC, 10A, hospital grade receptacle
AC Input	**Input voltage range:** 100 – 240 VAC **Frequency:** 50/60 Hz **AC fuses:** 3.15A / 250V **Power requirements:** 1.5 A @ 120 VAC
Internal DC Supply Module	**Output voltage:** 15 VDC ± 1%, 150 mV pk-pk ripple **Output current:** 4A maximum **Output power:** 60 W maximum **Overload protection:** Short circuit, 110% - 150% auto recovery **Over voltage protection:** 115% - 130% of rated output voltage
Internal Battery	**Type:** Nickel metal hydride (NiMH) **Nominal voltage:** 12 VDC **Rated capacity:** 2.6 Ahr **Over current protection:** Integral PTC fuse **Over temperature sense:** Integral thermistor **Charge time:** 1 hour (80% charge), 6 hours (full charge) **Power conservation:** 30 days (fully charged, then unplugged)
Display	**Type:** High resolution backlit custom LCD **Timer:** Elapsed time numeric **Pressure:** Real-time digital numeric with graphic pressure gauge
Air Pump	**Nominal power:** 12 VDC, 1.25 A **Flow:** 10 LPM open flow

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Specifications Continued

Pressure Transducers	**Operating pressure:** 0 – 15 psi **Maximum pressure:** 30 psi **Repeatability:** ± 0.2% FS typical
Cuff Pressure	**Accuracy:** ± 2% or 4 mmHg, whichever is greater, set pressure value **Range:** 100 to 475 mmHg
Cuff Timer	**Range:** 1 to 240 minutes **Adjustment:** 1 to 15 minutes – 1 minute increments; 15 to 240 minutes – 5 minute increments

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