



Vertis PNT

Percutaneous
Neuromodulation Therapy

An Important New Therapy in the Treatment of **Spinal Pain**




Vertis PNT™ (Percutaneous Neuromodulation Therapy) is a minimally invasive nonsurgical therapy for spinal pain involving the delivery of electrical stimulation through an array of temporarily placed fine-gauge filament electrodes (250 micron diameter). The PNT System includes a control unit and application-specific patient cables and kits containing sharps-safe, single-use Safeguide™ electrodes.

Vertis PNT is an FDA-cleared therapy that has been shown to provide meaningful pain relief for many patients. PNT is indicated for the symptomatic relief and management of chronic or intractable pain and/or as an adjunctive treatment in the management of post-surgical pain and post-trauma pain. The PNT Control Unit is to be used with PNT Lumbar Safeguides for low back pain or PNT Cervical Safeguides for neck and/or upper back pain.

PNT
percutaneous neuromodulation therapy

Product Specifications

PNT Control Unit

Physical Dimensions	Specifications
Size (H x W x D)	5 in. x 10 in. x 10 in.
Weight (approx.)	7.0 lbs (3.18 kg)
Input Power	
Input Voltage Ranges	Configurable for 115 VAC Nominal (97-132 VAC), or 240 VAC (204-265 VAC)
Input Line Frequency	50 Hz or 60 Hz
Environmental Conditions	
Operating Temperature/Humidity	10 - 35 C (50-95 F), 30% - 90% relative humidity (non-condensing)
Compliance	
Electrical Safety Compliance	Product is UL 2601-1 and CSA 601.1 compliant
Patient Outputs	
Degree of Protection Against Electrical Shock	
Output Type	Five independently controllable, charge-balanced, rectangular biphasic, current outputs
Phase Duration	200 uSec, +/-5%
Output Amplitude	+/- 15 mA max @ 4Hz pulse repetition frequency (PRF) +/- 15%, into 500 Ohm load
Output Modulation Modes	User selectable, 5 modes, 4-50 Hz range
Maximum Output Charge	7.2 uC per biphasic pulse
Output Protection	Automatic channel disable for open-circuit load condition

PNT Patient Cables

Temperature/Humidity	Specifications
Operational Requirements	10 - 35 C (50-95 F), 30% - 90% relative humidity (non-condensing)
Biocompatibility	
Biocompatibility	Patient contact components are biocompatible.
Sterility	
Sterility	Patient cable is provided non-sterile. It need not be sterilized.

PNT Safeguides

Housing	Sharps-safe construction for user/patient safety
	Controlled deployment depth (Lumbar 30mm, Cervical 20mm)
	Controlled angle of deployment
Electrode	Surgical stainless steel
	Extremely fine diameter of 250 microns
	Gamma sterilized
Biocompatibility	(Includes adhesive) Patient contact components are biocompatible.

Indications and Contraindications

Vertis PNT Safeguard Kits are indicated for use only with the Vertis PNT Control Unit. Refer to the Vertis PNT Control Unit User's Guide for complete operating instructions on the use of the Vertis PNT Control Unit as well as indications, contraindications, warnings, and precautions relevant to delivering PNT.

Product Information

System Component	Model Number
Vertis PNT Control Unit	CU 100
PNT Control Unit Power Cord	PW 100
Patient Cable, Lumbar	PC 101
Patient Cable, Cervical	PC 102
Safeguard PNT Electrode Kit — Lumbar - Basic Unit: 6 pack	SG 101-6
Safeguard PNT Electrode Kit — Cervical - Basic Unit: 6 pack	SG 102-6
Safeguard PNT Electrode Singles — Lumbar - 18	SG 101-018
Safeguard PNT Electrode Singles — Cervical - 18	SG 102-018

For more information or to place an order, call the Vertis customer service center at 1.800.597.2695, or visit the Vertis website at www.pnthealth.com.



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