Meditronic NIM-Neuro 3.0 Nerve Monitoring

The new eight-channel NIM-Neuro® 3.0 is built on 20 years of continuous innovation, experience, and leadership in nerve monitoring. With remarkable breakthrough technology, it delivers advanced monitoring features in an easily accessible system.

Our NIM 3.0 systems feature an intuitive touchscreen, three simple user modes, and default or custom settings.

Features

- Monitors during bipolar cautery
- Artifact deletion Software
- Stim Bur integration for the Visao Drill
- Real-time continuous monitoring with the APS Electrode
- Control from the surgical Field
- Multiple USB ports for easy documentation
- Monitoring up to eight channels of nerve-muscle combinations
- Typically used during complex and delicate surgeries, such as glomus or acoustic tumor removals
- Microscope overlay imports the NIM signal through select high-end microscopes as the surgeon operates

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Revised 8/11/2020

Specifications

Dimensions	Height: 33 cm Width: 30 cm Depth: 27 cm Weight: 6.8 kg
Operational Environment	Operating Temperature range: 10 to 40 ºC (Operating) Humidity: 30-70% RH non-condensing Atmospheric Pressure range: 700 kPa to 1060 kPa Mode of Operation: Continuous duty
Transport & Storage Environment	Shock and Vibration Verified to Standard ISTA 2A Ambient Temperature range: - 40 °C to + 70 °C Relative Humidity range: 10 % to 100 %, including condensation Atmospheric Pressure range: 500 kPa to 1060 kPa
Display / Touchscreen	Type: High contrast, digital, graphic Color, visible in complete darkness. Resolution: Display 1024 H x 768 W pixels, Touch Panel 256 H x 256 W Dedicated Function Event Touch Screen Controls: For Amplitude, Time Display and Capture. Vertical Display: 20, 100, 500, 1000, 2000, 10,000, 50 K, and 100 KµV display modes. Event Capture: Enable/disable capture mode indicator on touch screen. Time Scale: 25 mS, 50 mS, 100 mS or 20 S display modes.
Electrical	Input Voltage 100 V, 120 V Frequency 50/60 Hz Total Power Consumption: 62 W Nominal <78 W Peak (Total 33 W Console, 10 W Printer, and 19 W MiniScreen) Auxiliary AC output (For Use With Approved NIM® Accessories Only): NIM® Printer Power Supply (#)150 VA Max. Line Isolation: 4000 V Peak-to-Peak 60Hz dielectric withstand from Line Connections to Signal Ground Internal Fuse 5 x 20 mm, 2.5 Amp, 250V, Time-llag, Low breaking capacity, Xomed Part # 11270068. Order 8253075 Fuse Kit for replacements. Patient Connections All patient probes and electrodes are Type BF applied parts Patient Isolation 90-264 Vrms 50-60 Hz < 100µA (Mains on applied part N.C.) Patient Connection Capacitance 100 pF +/- 30 % @ 1 kHz (All patient probes and electrodes combined to Safety GND)
Video Output	Interface: XVGA Compatible, 1024 x 768 resolution Connection: 15-pin HD

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