Medtronic

NIM-Response® 3.0

NERVE INTEGRITY MONITORING SYSTEM

NIM-Response® 3.0 System

Leading Through Innovation.

To help improve patient safety and surgeon peace-of-mind, Medtronic ENT introduced the first NIM® intraoperative nerve monitor in 1989. Our NIM system evolves with your needs, because we listen to you and combine your experience with ours.

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

Improved Safety and Peace-of-Mind

The first and only nerve monitor with these features.

- Monitors simultaneously during bipolar cautery
- Real-time continuous monitoring with APS™ electrode*
- Artifact detection feature

Easier to Use

Redesigned software.

- Three simple user environments:
  Setup, Monitoring, and Reports
- Setup and Reports Wizards
- Default and customized procedure settings
- Electrode and nerve placement guides
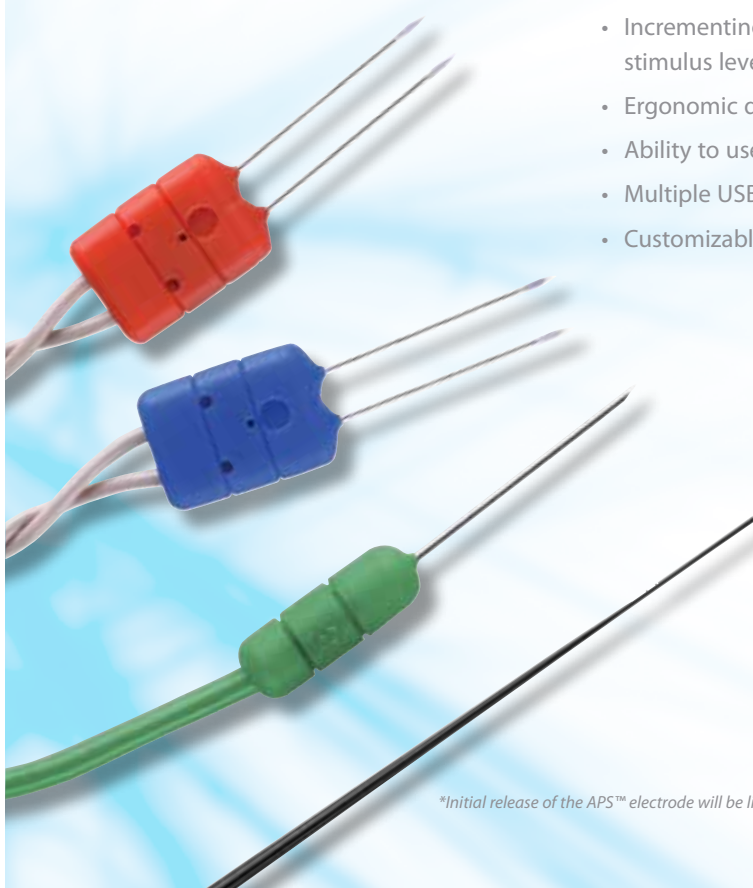
More Convenient

For you and your O.R. staff.

- Incrementing Probe allows surgeon to adjust stimulus levels and print or save data
- Ergonomic design for easy setup
- Ability to use two stimulators at once
- Multiple USB ports for saving data
- Customizable for your needs

Why Monitor?

It helps reduce the risk of nerve damage during surgery by monitoring EMG activity in multiple cranial and peripheral nerves by providing audible and visual alerts if the nerve is activated.

Initial release of the APS™ electrode will be limited.

Nerve Integrity Monitoring System

Intuitive Navigation Bar
- Always at top of screen
- Side tabs access other settings

Three User Environments
- Setup, Monitoring, Reports

Better, Faster Touchscreen
- Navigate NIM® software more quickly and easily

Snapshot Button
- Provides flexible reporting options
- Instantly prints and saves current screen image

Adjustment Knobs
- Quickly change stimulus or volume levels

Sleeker Design
- More compact system takes up less space
- New cart reduces clutter with streamlined cord management and storage

Visual Enhancements
- Larger and easier-to-read displays
- Greatest EMG response is highlighted

Setup Mode

1. Choose procedure or surgeon settings

Fast and Easy Setup

3 Easy Steps to Begin Monitoring

1. Choose procedure or surgeon settings.

2. Review settings, place and check electrodes.

3. Begin monitoring.

Nerve and Electrode Placement Guides

• Color-coded to help reduce confusion

• Choose by procedure, nerve, or customized settings

More Convenient Electrode-Checking

• Quick, one-touch access

• Built-in audio and visual alarms ensure proper monitoring

2. Place and check electrodes

"Help" Button

Audio EMG Samples

• Helps to explain the sounds you hear and provides examples of each

Electrode Placement Guides

• Allows you to review the recommended placement by nerve or procedure

3. Begin monitoring

Adjust additional settings easily

NIM-RESPONSE® 3.0

First and Only Nerve Monitor with These Innovative Features

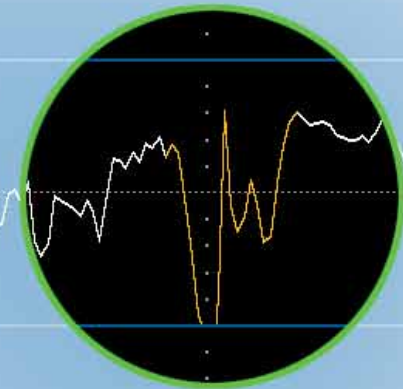### Simultaneous Monitoring During Bipolar Cautery

- No need to mute or turn off monitoring when using bipolar cautery
- Provides expanded monitoring capabilities

Artifact Detection Software

- Distinguishes between artifact and EMG signals
- Mutes most artifacts for a more quiet surgery

APS™ Monitoring (Automatic Periodic Stimulation)*

- Provides real-time continuous monitoring
- Stimulating electrode is placed on the nerve
- Allows for early detection and warning of a change in nerve function

Artifact Detection Feature

Enhanced On-Screen Information

- **More Visible EMG Values and Settings**
- **Expanded Amplitude and Time Scales**
- **Intuitive Buttons and Tabs for Easy Access to Advanced Settings**

*Initial release of the APS™ electrode will be limited.

NERVE INTEGRITY MONITORING SYSTEM

Stim Bur Guard

- Combines an electric drill with stimulation
- Works with Visao® High-Speed Otologic Drill and Integrated Power Console (IPC™) system
- Warns surgeon of bur's proximity to facial nerve during otologic surgery

Versatility within the Surgical Field

Surgeon Mini Screen
- Displays monitoring information on small screen
- Attaches to any I.V. pole

Incrementing Probe
- Adjusts the stimulus from 0.01 mA to 30 mA
- Prints or saves the current screen

Two Independent Stimulators
- Enables more flexibility in stimulus options

Better Quality EMG Information

Increased Sensitivity
- Improved signal-to-noise ratio
- Enables you to hear and see lower-level EMG responses due to less background noise
- Helps minimize nerve manipulation during surgery

Improved Muting Detector
- More sensitive to EMG signals
- Less sensitive to external and internal interference
- Only one muting port versus four

Reports Mode

Quick and Easy Documentation

Report Wizard

- Create custom reports
- Enter case information and customize data fields
- Save or print patient's EMG activity to document for electronic medical records, reimbursement, etc.
- Utilize snapshot or log reports

Multiple USB Ports

- Attach a printer, USB stick, keyboard, or other data storage devices
- Save reports as an Adobe® Acrobat® PDF

Service and Support

Dedicated Service and Support

- Large, dedicated sales force
- 20 years of experience in nerve monitoring
- On-site training for you and your staff upon installation
- Ongoing in-servicing and training

Ordering Information

System Requirements

Cat Number		Qty	UOM
8253002	Mainframe, NIM-Response 3.0 INTL	1	EA
8253200	Patient Interface Box, Response 3.0 4 CH	1	EA
8253600	Patient Simulator, NIM 3.0 Universal	1	EA
8220325	NIM Muting Detector	1	EA

Power Cords

1895821	Power Cord UK	1	EA
1897821	Power Cord North America 6 m	1	EA
1895822	Power Cord Continental Europe	1	EA

User Guides

8253050	User Guide, NIM-Response/NIM-Neuro 3.0, EN	1	EA
8253050A	User Guide, NIM-Response/NIM-Neuro 3.0, EN, SP, FR, PO, GR	1	EA
8253050B	User Guide, NIM-Response/NIM-Neuro 3.0, EN, FR, DE, DU, IT	1	EA
8253050C	User Guide, NIM-Response/NIM-Neuro 3.0, EN, SW, DA, FI, NO	1	EA
8253050D	User Guide, NIM-Response/NIM-Neuro 3.0, EN, PO, CZ, HU, TR	1	EA
8253050E	User Guide, NIM-Response/NIM-Neuro 3.0, EN, RU (CD)	1	EA

Optional

8253027	Printer Package, NIM 3.0 System	1	EA
8253010	Surgeon Mini Screen (includes cable)	1	EA
8253020	Cart, NIM 3.0 System	1	EA
8253030	Keyboard	1	EA
8253035	Storage Case, NIM 3.0	1	EA

For further information, please call Medtronic ENT at 800.874.5797 or 904.296.9600. You may also consult our website at www.MedtronicENT.com.

Medtronic