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

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

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

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

Three User Environments
- Setup, Monitoring, Reports

Adjustment Knobs
- Quickly change stimulus or volume levels

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

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

Snapshot Button
- Provides flexible reporting options
- Instantly prints and saves current screen image
3 Easy Steps to Begin Monitoring
1. Choose procedure or surgeon settings.
2. Review settings, place and check electrodes.

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

“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
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

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.
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
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

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<th>Description</th>
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User Guides

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<td>8253050B</td>
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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.