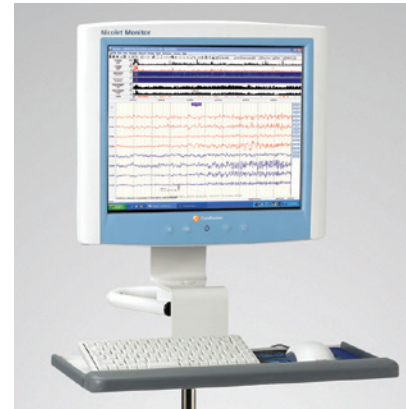
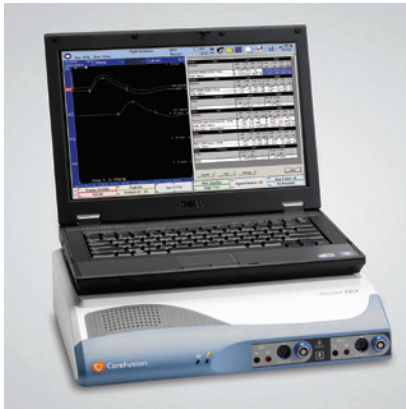


Nicolet™

Neurodiagnostics, Monitoring and Supplies



Nicolet™

natus
neurology



Nicolet Viking™ and Synergy EMG Diagnostics

Viking™ and Synergy EMG systems are among the most widely used and trusted names in neurodiagnostics. The **NEW** Viking and Synergy On Nicolet EDX system from Nicolet combines state of the art technology with almost 60 years of proven clinical knowledge and innovation to set new standards for EMG, EP and IOM testing.

Because these systems are based on the successful Viking and Synergy software, users can benefit from a familiar clinical workflow and user interface together with full patient and protocol compatibility with existing Viking and Synergy products.

System features

- Unified multi-modality system
- Exceptional data quality provided through robust amplifiers
- Simple and efficient software interfaces
- Customizable and automated study and anatomy database
- Flexible, integrated reports provide results in the format you want



Our Nicolet™ Brand Promise Trusted Customer-Focused Technology

Improving lives through better technology at the point of care. This mission and brand promise has guided our focused approach to customers and patient care since our founding almost 60 years ago.

As we continue to map our course with Nicolet, we remain dedicated to collaborating with you to develop clinically differentiated neurodiagnostic and monitoring solutions (ICU, EP, EEG, EMG, TCD, IOM, Sleep, Long-term Monitoring, and Functional Brain Mapping), along with an impressive line of supplies and integrated connectivity solutions.

We are committed to helping you maximize your systems with premium installation and post-installation customer support. Our Customer Care organization is represented globally by biomedical professionals and clinically licensed educators with significant tenure and experience.

Our complete line of EMG Systems includes:

- Viking On Nicolet EDX
- VikingQuest
- Synergy PIU
- Synergy On Nicolet EDX

EMG Diagnostics

From the data you capture, analyze and manage, to the service, support and clinical expertise you receive, Nicolet is committed to helping you improve your patient care with high quality systems and solutions.

Viking/Synergy: Almost 60 Years of Electrodiagnostic Expertise

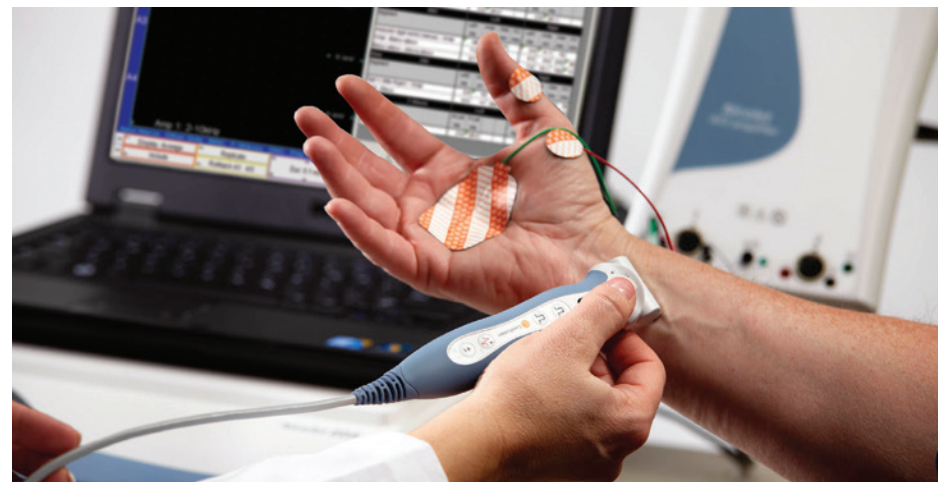
- Maximizing clinical value with optimal data quality
- Decreasing examination time
- Minimizing patient discomfort
- Optimizing customer value



Nicolet VikingQuest



Synergy PIU



EMG Supplies

TECA® Disposable Concentric, Monopolar and MyoJect Needle Electrodes from Nicolet are renowned for optimal sharpness, consistently low impedances and lightweight cable and hub design. Because neurological supplies and accessories are used in the operating rooms, clinical labs, long-term monitoring settings, patient rooms and physician offices, quality performance is key. You can expect that performance whether you're using electrodes, needles or disposables. We offer products critical to a patient's diagnosis.



MyoJect Luer Lock Needle

NEW



TECA Elite Monopolar
Needle Electrodes

Nicolet is a market leader in EMG Systems.

www.natus.com

Nicolet EEG Diagnostics

Clinical Electroencephalography

Our vast portfolio of Nicolet EEG products reflects our history of neurodiagnostic expertise. Systems that optimize one software platform allow use as needed, (routine procedures, epilepsy monitoring, critical care, pre and post-op, status epilepticus, stroke, sleep disorders, stat procedures, etc) and can maximize efficiencies. These products offer high-quality diagnostic information in easy-to-use, customizable formats.

System features

- One modular neurodiagnostic system performs procedures for EEG, ICU, LTM, OR, Sleep, NCS, EP and EMG testing
- High quality Ethernet amplifiers with sampling rates to 12 kHz per channel
- Exceptional noise levels of <2 microvolts peak to peak
- High level DC and Bipolar options
- Central monitoring provides up to four patient views with video on a single display
- Various Headbox options
- Various installation options including fixed rooms, cart systems, laptops and ambulatory
- Synchronized EEG and video with software-controlled camera

Clinical Software Applications

- Spike and Seizure Detections
- Trend Software includes Relative and Absolute Band Power, Total Power, Spectrogram, Envelope, Burst Suppression and more
- Remote Control and Live Review features for remote data access
- NicVue Data Management System with choice of Access or SQL versions



Our reliable design assures clinicians that they can count on efficient workflow solutions to help manage high patient volumes.

www.natus.com

Neurodiagnostic Supplies

Innovative new products and on-going improvements to the current portfolio of products ensure our market position as one of the world's leaders in neurological supplies. The complete line of neurodiagnostic TECA needles and electrodes provide exceptional quality and optimal sharpness to facilitate greater patient comfort. In concert with consistently low impedances for accurate recording, our needles and electrodes make it possible for healthcare providers to offer their patients the best possible care.

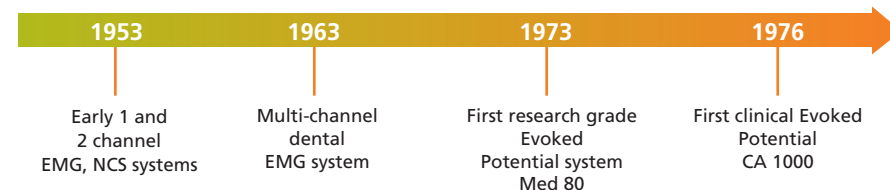
- Disposable needle electrodes, including the TECA Elite Concentric, Monopolar and MyoJect (renowned for optimal sharpness, consistently low impedances and lightweight cable and hub design)
- Reusable stimulating and recording electrodes
- Disposable adhesive electrodes
- IOM accessories, including disposable and reusable IOM electrodes, probes and leads
- Extensive line of EEG supplies
- PSG electrodes and accessories



Disposable EEG Cup Electrodes

Celebrating 60 Years of Pioneering Healthcare Solutions

EMG, EEG, LTM, Sleep, Acute Care, IOM, TCD, and Connectivity Solutions



Nicolet Epilepsy Monitoring

Long-Term Monitoring

Nicolet LTM is a flexible, robust system specifically designed to support the requirements of long-term epilepsy monitoring.

System features

- "Configurable Alerts" sends image to PDA/cell and pager
- Remote review and control functions
- Integration with vital sign monitors
- Integrated functional brain mapping using the Nicolet Cortical Stimulator
- Central monitoring provides up to four patient views with video on a single display
- Pruning allows easy consolidation of video and EEG segments of interest into a single, small file for review

Easy-to-use Software Applications

- Spike and Seizure Detection
- Burst Suppression
- Remote Control
- Sleep
- Mapping
- Trends
- Remote Monitoring
- Central Monitor

Auto-detecting and auto-switching technology provides a direct connection from amplifier to recorder, from patient room to day/play room. In unexpected power loss situations, Nicolet LTM will, unattended, recover existing data and restore the previous recording state.



Functional Brain Mapping

Nicolet Cortical Stimulator

We are proud to offer the Nicolet Cortical Stimulator, a dramatic advancement used to aid physicians in identifying critical brain structures in braintumor and epilepsy patients.

The Nicolet Cortical Stimulator provides virtually seamless integration with NicoletOne EEG application software, which provides audits of all stimulation parameters and locations, features an innovative visual display of responses in brain map views, annotations of the procedure results and automated report for timely results to the medical record.

In recent procedures, world-renowned physicians and clinicians appreciated the benefits of using the Nicolet Cortical Stimulator for functional brain mapping procedures.

Features our customers like:

- Increased specificity
- Reduced patient fatigue
- Fewer personnel may be needed to perform procedure
- Helps reduce procedure time
- Eliminates manual electrode switching
- Integrated software
- Innovative visual display



Nicolet Long-Term Epilepsy Monitoring

- Connectivity for single unit to highly networked epilepsy lab
- NicVue Patient Database Management System with choice of Access® or SQL format
- Producer feature quickly sends screen shots to your iPhone® or cell phone
- Review studies via IPAD remotely
- HL7 compatible
- Support Connect compatible

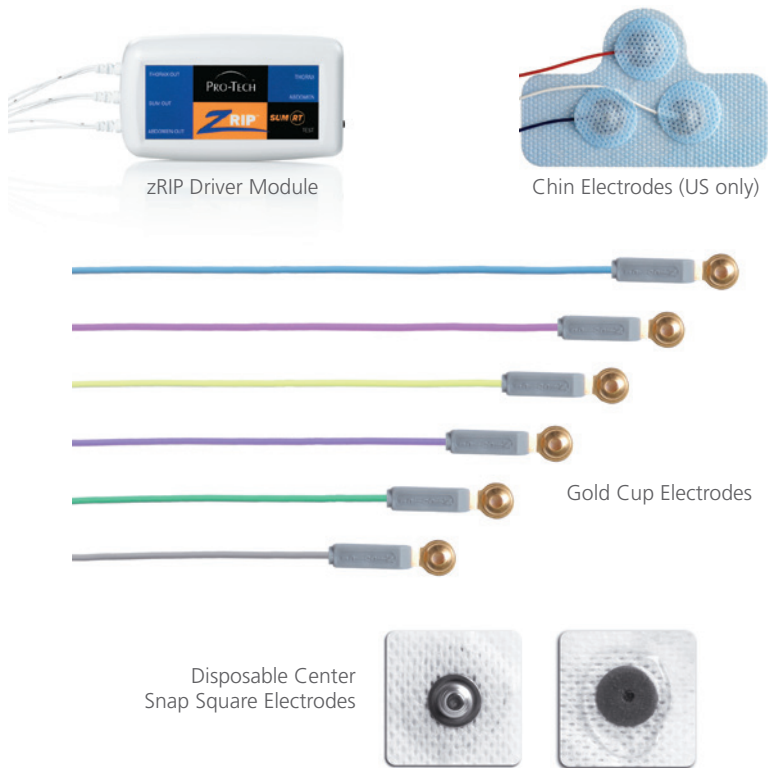


The Nicolet family of EEG Amplifiers

The Nicolet EEG amplifiers offer excellent noise specifications, are cost effective, and feature high quality signals. (Nicolet v32 Amplifier, Nicolet v44 Amplifier, Nicolet C64 Amplifier, Nicolet C64 OR/SSU Amplifier and Nicolet EEG Wireless Amplifier)

Sleep Supplies

Our high-quality products assist healthcare professionals to deliver exceptional patient care and provide more intelligent diagnoses, outcome accuracy and cost-control.



Nicolet Sleep

Sleep

The Nicolet Diagnostic Sleep System plays an important role in diagnosing sleep-related disorders, giving clinicians full-featured polysomnography tools.

Some of the features that help increase functionality and provide greater clinical efficiencies include:

- Single software platform – PSG by night, EEG by day
- Premium data quality
- Meets AASM guideline requirements
- Automated staging and event-detection parameters
- Automatic detections for PLM's, sleep staging, body position, desaturation, apneas, RR interval
- "One-click" event scoring
- Arousal automatically included when scoring RERA's
- Real time scoring during acquisition or previously acquired studies during acquisition of another
- Physician review enhanced by outstanding software features and performance
- Analysis tools allow easy measurement of frequencies, duration and amplitude for more effective scoring
- Channel cursor zoom bar assists in easy waveform measurements
- Exceptional channel re-order comparative tool
- Customizable alerts for low SpO₂, Heart Rate, EtCO₂, pH
- Drop and Drag channel or groups of channels
- "On the fly" re-reference ability
- Customizable screen layout

Caregivers can feel more confident they are delivering the best care after efficiently analyzing patient information with world-class EEG analysis and Alerts tools. Unique features that complement the Nicolet Sleep System include:

- Extensive sleep report options
- Exceptional Inter Rater Reliability Report
- Automated periodic "sleep check timer" with minimum and maximum SpO₂ and heart rate, sleep stage changes and any body position changes since last sleep check. Includes a comment box for technician commentary, reducing paperwork.
- Dynamic "mini-report" calculates values needed during acquisition for determining treatment decisions without manual documentation
- Producer feature allows email notification and attachments for faster response times

Celebrating 60 Years . . .

1984

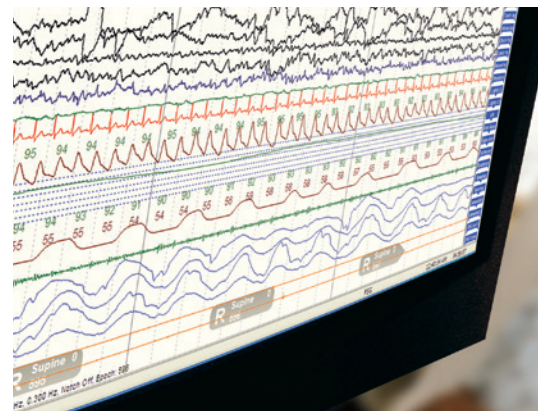
First computerized quantitative EMG Viking

1985

First commercial TCD units TC2-64 Series

1988

First Digital 32 Channel EEG system - DG-32



Nicolet Monitor: Critical Care & Transport

Brain Monitoring

The Nicolet Monitor continuously monitors acutely ill patients at risk for brain damage and secondary injury (premature neonates to older adults). Use our new Nicolet EEG Wireless amplifier to start recordings during transit to the ER, and throughout the care continuum.

Benefits

- Continuous EEG (cEEG) monitoring for Critical Care may help decrease length of stay and lower costs¹
- Amplitude EEG (aEEG), burst suppression, envelope and additional NicoletOne™ Trends software quickly identify pathological signals to help clinicians prevent secondary injuries
- aEEG trend and alerts triggered by clinical events provide ICU staff with necessary data at bedside
- Remote review, real-time physician alerts and simultaneous on-line review of 4 patients (with video).

Help improve patient outcomes for:

- Stroke
- Trauma
- TBI
- Cardiac arrest
- Hypothermia treatment
- Hypoxic-ischemic encephalopathy (HIE)
- Subarachnoid Hemorrhage (SAH)
- Neurosurgery

¹ Sandor, L. "Conquering the Next Frontier of ICU Monitoring: The Brain", *Neonatal Intensive Care*, 2005;
Hirsch, L. "Urgent Continuous EEG (cEEG) Monitoring Leads to Changes in Treatment in Half of Cases", *Epilepsy Currents*, 2010.



Nicolet Monitor

- Evaluate cerebral function bedside and remotely
- Trending software included with the system
- Integrate data from vital signs monitors, perfusion monitors and other devices



Nicolet Ambulatory Monitoring



Nicolet EEG Wireless Amplifier

The Nicolet EEG Wireless Amplifier is ideal for performing ambulatory EEG and home sleep testing procedures giving patients the flexibility to perform their daily activities.

- Allows you to interface with standard Nicolet EEG machine
- No additional software required
- Built in SPO₂ module provides ECG, SPO₂ & Pleth
- 32 channel includes 9 bipolar channels
- DC Input box provides ability to record high level DC ancillary equipment such as EtCO₂ and CPAP
- External batteries permit extended recording
- Batteries are easily hot-swappable by patient
- Compact device and garment design ensures patient comfort

Nicolet Ambulatory EEG

Easy-to-use Software Applications

Completely integrated with Nicolet EEG software suite and NicVue patient data management software providing:

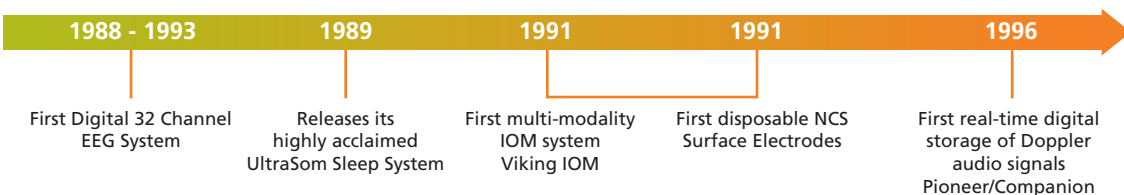
- Spike & Seizure
- Mapping
- Sleep
- Trends
- Support Connect
- HIS/HL7 Compatibility

System features

- Record continuously for up to 72 hours, with data review directly from 2GB flash card, or record in EDF onto an ATA flash disk
- Combined with Nicolet's EEG robust software for review, you can offer a robust service to your patients



Celebrating 60 Years . . .



Nicolet Ambulatory EEG and Sleep screening effectiveness gives patients the flexibility needed to go about their daily routine while reliably recording data.

www.natus.com

Nicolet Intraoperative Monitoring

Intraoperative Monitoring

The Nicolet Endeavor™ CR Intraoperative Monitor provides critical information needed by surgeons and anesthesiologists during spinal, cranial, vascular and orthopedic surgeries. This information helps to prevent compromise to neurological and physiologic systems during those procedures.

The Endeavor CR is a sleek, mobile system that maintains high standards of signal quality despite the extreme environment and multi-modality demands of the operating room.

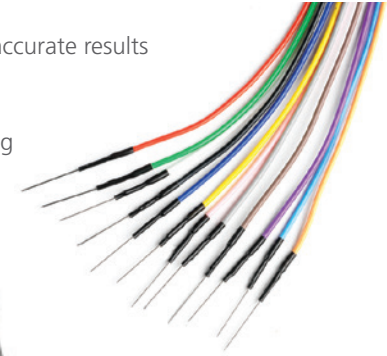
System features

- 16 channel robust amplifier for the OR
- Independent amplifier and stimulator settings templates
- Meets EEG, EP and EMG needs
- Advanced hardware modules and Multiple Data (MDT) software
- Remote viewing and full line of consumables

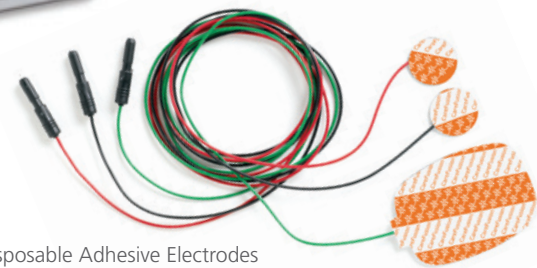
Expansive functionality saves you time and the reliability optimizes patient results during surgeries.

Nicolet Endeavor™ CR

- Robust 16 channel amplifier enhances the resolution needed for accurate results
- Trending allows for fast response to clinical changes
- Display settings for all possible recording parameters
- Remote viewing allows experts to see into the OR without entering
- HL7 compatible
- Support Connect compatible

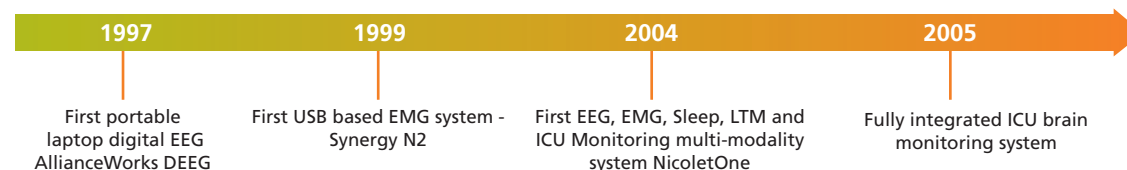


Disposable EEG
Subdermal Needles



Disposable Adhesive Electrodes

Celebrating 60 Years...



Nicolet TCD

Transcranial Doppler

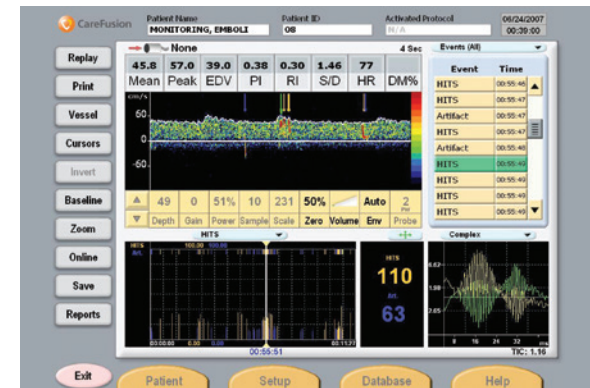
Nicolet SONARA™ digital Transcranial Doppler (TCD) systems meet your diagnostic and monitoring needs - from standard diagnostic evaluation to advanced emboli detection.

System features

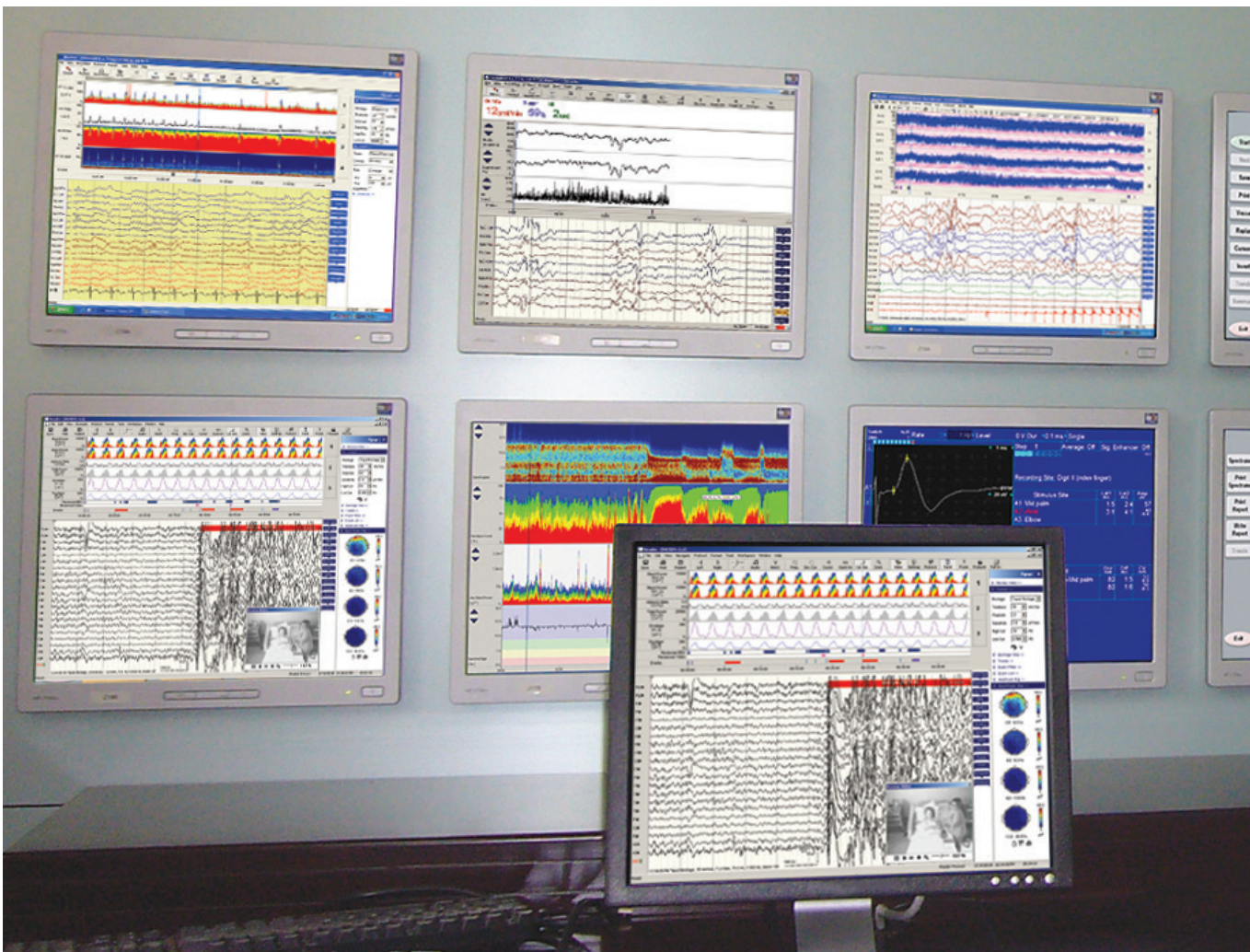
- 250 gates of M-Mode in diagnostic and monitoring modes
- High quality Doppler signal
- Specialty tests: VMR and Breath Hold
- Customizable protocols and reporting
- Emboli detection with variable thresholds
- Multi-depth, multi-channel acquisition
- Advanced remote control with touch pad
- Multiple language capability
- 2-3 day fee-based training courses available (CME credits available in U.S.)
- VLink/DICOM™ compatible

Nicolet TCD systems are built to optimize performance and help improve patient care.

www.natus.com



Connectivity



Connectivity Solutions

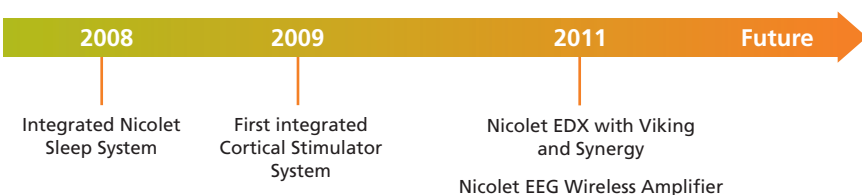
In today's busy medical facility environment, accurate, fast and readily retrievable information is vital. Your ability to quickly assess a patient's condition through remote "anywhere, anytime" web access or an electronic medical record (EMR) allows treatment to be administered sooner, resulting in better disease management.

Nicolet Connectivity Solutions enable you to enhance your workflow productivity and allow you to focus on patients. An experienced and dedicated team has implemented EMR system integrations at hundreds of facilities. Connectivity Solutions provide:

- Networked implementations of EEG, EMG, IOM, and TCD systems
- Multi-modality patient data management
- Remote access to patient data
- Connectivity to your Hospital Information System (HIS) or Picture Archiving and Communications System (PACS)
- Secure data connection to our service experts when you need help

Connectivity Solutions from Nicolet enable you to enhance your workflow productivity, allowing you to focus on your patients instead of managing your equipment.

Celebrating 60 Years . . .



Nicolet Connectivity Solutions give you the anytime, anywhere web access to patient data you need to provide fast and accurate clinical diagnosis.

Nicolet™

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