



Advanced Trending & Physiological Monitoring

Assess patient neurological condition in a single glance

Identify pathological changes to a patient's cerebral condition on a single screen with the addition of Advanced Trending and Physiological Monitoring Integration options, now available with Natus NeuroWorks Software. Interpret critical information faster, minimizing secondary brain injury. **NeuroWorks is software that works for you.**



Efficient

Save time by focusing on relevant data

Advanced Trending assists clinical staff in rapidly identifying critical changes in a patient's condition, leading to faster diagnosis and treatment decisions. Remote connection allows for quick consultation from experts who can analyze the data with remarkable flexibility without impacting real-time monitoring visualization.



Comprehensive

Multiple parameters in a single window

NeuroWorks puts the clinician in charge. Multiple trending options allow users to customize protocols from a variety of parameters to review all physiological and neurological data at the same time, allowing for more informed decisions during diagnosis and treatment.



Integrated

Combining key features into a single platform

NeuroWorks combines both EEG and physiological data from third party bedside monitors and devices into a single record. Rapidly fine-tune your study to each patient's specific pathology. Filter, make notes and record both EEG and physiological data in a time-synchronized manner, providing continuous assessment of brain physiology in a single platform.



Advanced Trending

Save time reviewing raw EEG data with easy interpretation

The Advanced Trending option for NeuroWorks is a cutting-edge, comprehensive option showing quantitative Amplitude, Frequency or Power analysis of EEG and Polygraphic channels. Trending is commonly used in prolonged EEG, LTM and ICU studies to analyze EEG recordings with specific algorithms and to display the results in a compressed form.

Many different analysis tools and visualization modalities are available in this sophisticated package, including:

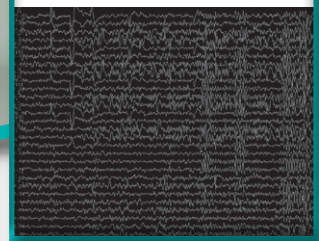
- **Absolute, relative power and power ratio** in customizable spectral bands that can be configured and trended for single or multiple channels.
- **Amplitude-integrated EEG** (aEEG, CFM) provides valuable information about significant changes in amplitude in a semi-logarithmic scale for easy identification of background pattern classifications. This trend is the Gold standard for neonatal brain monitoring. aEEG is commonly used to detect subclinical seizures, confirm seizures and status epilepticus, identify Sleep Wake Cycle (SWC) and can be used in neonatal, pediatric or adult patients.
- **Burst suppression ratio (BSR), inter-burst interval (IBI) and bursts per minute (BPM)** offers the ability to identify changes in patients with inactive brains, such as coma patients, those under anesthesia and the cerebral maturation in newborns, both in trended visualization and numerical values.
- **Envelope** tracks changes in amplitude with a specialized algorithm that helps filtrate the transitory events but gives evidence to the rhythmic events compatible with seizure identification.
- **Asymmetry index (AI)** highlights amplitude differences between the two hemispheres (or portions of the same) in critically ill patients.
- **Alpha variability** graphically displays the variability of alpha frequency components over time. Alpha is associated with states of consciousness - variations in alpha are related to cerebral ischemia and prognostication of vasospasm.
- **Spectral edge frequency (SEF) and spectral entropy (SE)** provide extra valuable analysis on spectral power distribution, commonly used to monitor depth of anesthesia.
- **Density spectral array (DSA)*** allows for extended frequency bandwidth analysis and different color schemes to observe sleep cycles and depths of anesthesia.
- **RR Interval*** trend has been added to study autonomic systems.
- **Channels*** of any type can be trended, such as EEG, Polygraphic and DC signals from external devices.
- **Events***, both automatic or user notes, can also be shown in this compressed overview.



*Included in NeuroWorks standard software package

Get a thorough assessment of your patient's condition by correlating multiple parameters

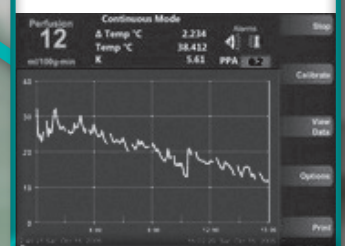
Natus Amplifiers



Vital Signs



Cerebral Perfusion Pressure



Intracranial Pressure

Including the Natus Camino ICP Monitor



Near Infrared Spectroscopy (NIRS)



Physiological Monitoring Integration

An intelligent way to consolidate data

Physiological Monitoring Integration in the ICU makes it possible to capture, store and display data in a time-synchronized, and compressed view that spans hours, days and even weeks of data from multiple sources.

Physiological monitors are used in the ICU to monitor critically injured neurological patients. Clinicians are often interested in obtaining a time-synchronized view of high-quality cEEG data with parameters obtained from these devices, as well as audio and video recording.

The Physiological Monitoring Integration option for NeuroWorks is an advanced package that combines video-EEG data collected from a Natus EEG amplifier with data collected from other physiological monitors into a single record. Data is synchronized and displayed, allowing an improved visualization of a patient's neurological condition, supporting diagnosis and treatment decisions.

Vital signs, such as temperature, blood pressure, SpO₂ and heart rate, Perfusion, Intracranial Pressure (ICP) and Near Infrared Spectroscopy (NIRS), can be integrated from select monitors**.

EEG and ICU Supplies Solutions

Convenient, complete, trusted

Natus supports the [full spectrum](#) of EEG care. From equipment, service and support to diagnostic supplies – we're with you [at every step](#).

Our EEG supplies are thoroughly tested to provide [reliable patient care](#).

With a complete portfolio of EEG supplies, Natus provides [seamless solutions](#).

Ask about our complete portfolio of EEG supplies, including:

- Disposable cup electrodes
- Adhesive electrodes
- Subdermal needle electrodes
- EEG headcaps
- Creams, gels and pastes



**Please contact your Natus representative for a full list of supported devices and parameters that can be integrated.



Support matters

At Natus, we strive for excellence in customer and technical service.

Here's how we can help:

- Accessible and effective Technical Support
- Definitive technical documentation and knowledgeable installation teams
- Replacement unit and spare part availability
- Extended warranty and service coverage programs
- Comprehensive, flexible customer training courses



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A commitment to education

Natus Neuro Training Academy (NTA) focuses on educational programs to better gain clinical knowledge and support customers in the use and optimization of Natus products.

This members-only site will allow you to gain insight into the latest clinical data and industry trends, as well as live online courses offering continuing education credits. Learn from the best in the industry and enhance your skills at the same time.

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