

NeuroSENSE™ Monitor with WAV_{CNS} cortical quantifier

...because monitoring
the brain matters!

Monitoring brain activity levels
in the OR, ICU and clinical settings

- Bilateral hemisphere monitoring
- Delay-free response
- Automated artifact detection and removal
- High-resolution EEG tracings
- User-accessible case data
- Resilient to electro-surgical interference
- Cardiac defibrillator proof



Investigational Device - Limited by applicable law to investigational use - Device Not For Sale

NeuroSENSE™ Monitor with WAV_{CNS} cortical quantifier

The NeuroSENSE Model NS-701 is a peri-operative bilateral brain function monitor. The system acquires and displays 2 frontal EEG signals, and calculates the WAV_{CNS}, a wavelet-based quantifier of cortical activity in patients undergoing anesthesia/sedation. Providing instantaneous tracking of the patient's brain state, the NeuroSENSE is an easy-to-use and robust complement to standard-of-care anesthesia monitoring.

Processed Variables

- WAV_{CNS} cortical quantifier
- Electromyographic power (70-120 Hz)
- Suppression ratio
- Artifact detection and identification
- Electrode-skin contact impedances
- Spectral powers, MEF, SEF (available via the case archive)

Technical Specifications

- 2-channel EEG system (4 electrodes) for bilateral monitoring
- Bandwidth: 0.125-300 Hz
- Noise: < 2 μ Vpp (0.125 - 100 Hz)
- Sampling frequency: 900 S/s per channel
- CMRR: > 100 dB @ 60 Hz
- Continuous impedance check
- Medical grade display module with touch screen
- Integrated IV pole mounting
- Spill and dust resistant



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