

nëo™

simplified Cerebral Function Monitoring (CFM)



The first aEEG monitoring solution optimized for every care-taker in the NICU.



ant neuro
inspiring technology



Simplified Cerebral Function Monitoring (CFM)

The nëo™ Monitor System is the easiest-to-use neonatal CFM solution available. Designed specifically to account for NICU workflows - from electrode application, to initiating and reviewing up to 8 channels of aEEG/EEG bedside monitoring with automatic annotation of seizure activity. The nëo CFM provides clinicians important information about neonatal brain status and easily integrates into the busy NICU's neonatal brain monitoring protocols.



The latest in CFM products, nëo incorporates a state-of-the-art, medical grade, touchscreen all-in-one PC system with ANT Neuro's proprietary CFM Software. It provides aEEG (amplitude integrated EEG), real time EEG and the measurement of impedance in 1, 2, and up to 8 channel configurations. Automatic annotation of seizure activity is available on up to 2 user-defined aEEG channels. The easy to navigate user interface allows real time monitoring of brain function, providing vital data that may assist in predicting outcomes. The nëo monitor offers CFM functionality that is unsurpassed in the industry.

- Simple setup: apply the electrodes and two clicks to record
- Intuitive navigation and flexible patient settings
- High quality data with less artifacts and less misinterpretation
- Clear markers of suspected seizure activity
- Exclusive access to shielded caps that are quick to apply



Research Grade Amplifier
provides high input impedance for improved signal quality



Access To Single Lead Electrodes
allows compatibility to gold cup, hydrogel, and subcutaneous needle electrodes

neonatal waveguard™ caps



Sizes	Head circumference		Head circumference		Fabric color scheme		
	Min. (cm)	Max. (cm)	Min. (in)	Max. (in)			
C Child	43	47	16.9	18.5	●	●	●
I Infant	39	43	15.4	16.9	●	●	●
B Baby	36	39	14.2	15.4	●	●	●
N5 Neonatal	33	36	13	14.2	●	●	●
N4 Neonatal	31	33	12.2	13	●	●	●
N3 Neonatal	29	31	11.4	12.2	●	●	●
N2 Neonatal	27	29	10.6	11.4	●	●	●
N1 Neonatal	25	27	9.8	10.6	●	●	●

Size indication serves as a guideline only

Technical Specifications

Touch Screen Monitor	
Weight	4.5 kg
Screen size	15", 16:9 Ratio
Dimensions	385 x 290 x 45 mm
Resolution	1920 x 1080 Pixel Full-HD
Mount	Integrated VESA-100 interface

Data Acquisition	
Bipolar channels	6
Referential channels	Max. 8
Max. Sampling Rate	512 Hz
Resolution	24 bit
Input impedance	>1 G Ω
Shielding	Actively shielded inputs
Amplifier size	86 x 100 x 16 mm
Input signal range	150 – 1000 mV _{pp}

Software	
Operation System	Windows 10 (64bit)
Monitoring features	Real-time EEG aEEG (computed) Continuous Burst-Suppression-Ratio (BSR) Continuous Inter-Burst-Interval (IBI) Impedance measurement Event markers Online review mode Automatic annotation of seizure activity

Hardware	
Processor	Intel Core™ i5
Working Memory	8 GB
Connectivity	1x USB 3.0
Storage	mSATA 480GB SSD
Graphics	Intel® HD Graphics GT-Series
Power supply Unit	Integrated power supply (100-240V)

Cybersecurity

The n \ddot{e} o™ Monitor System incorporates current best practices to address Cybersecurity hardening. The system's security measures are designed to ensure the safety of the product and to safeguard sensitive information such as patient data.

1. Encryption of the hard drive
2. Encryption of patient data in the database
3. Credential management at key access points

n \ddot{e} o™ is CE marked as a medical device in the EU, according to MDD 93/42/EEC, CE class IIa. **waveguard™** caps and accessories are CE marked as medical device in the EU, according to MDR (EU) 2017/745, CE class I. The information in this brochure is not intended for clinical users outside the EU.

Manufactured by eemagine Medical Imaging Solutions GmbH, Berlin, Germany, ISO 13485 certified. ANT Neuro and eemagine are part of the neuromotion group.

For more information about n \ddot{e} o™ and the regulatory status in your country, contact us at sales@ant-neuro.com.

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