

## Embla® N7000

*Versatile, Advanced, and  
Superior PSG amplifier*



The Embla® N7000 Recording System is based on a decade of experience in the field of sleep medicine. The system offers a high degree of flexibility and signal quality to meet the demanding needs of clinical work and research. The N7000 recorder is indispensable in a wide range of settings that require maximum flexibility and efficiency in data collection. The N7000 represents the integration of advanced digital technology and precision engineering into an ergonomically designed PSG and EEG system.

  
embla®

CLOSER TO OUR CUSTOMERS™

# Embla N7000

## Advanced and Superior

- Designed for routine and expanded sleep protocols, as well as full 32 channel EEG.
- Ideal for routine and research applications.

## Versatile Design

- The patient interface of the N7000 consists of the Bedside Unit and the Patient Unit. Both are lightweight and feature quick-disconnect for easy patient mobility.
- The clinically enhanced Patient Unit greatly reduces the cabling for signals such as respiratory effort, snoring, flow and SpO<sub>2</sub>.
- The Bedside Unit is lightweight and can be comfortably worn by the patient with a strap attachment for mobility.

## Powerful and Flexible Software

- Industry-leading Rembrandt and Somnologica applications
- Time-saving scoring and editing features
- Designed around common tasks and natural workflow
- Ability to re-reference channels during and after acquisition
- Selectable sampling rates
- Derive additional signals like flow, lung volume and RMI from the XactTrace belts

## The Embla® Sensor Advantage

- Complete line of sensors and supplies
- Inductive XactTrace unmatched effort trace accuracy
- XFlow complementary flow signal for studies without airflow sensors or as a reliable backup
- Superior nasal pressure, flow and snore signals
- Optimized sensor cable lengths

## Embla N7000 Specifications

- Total of up to 60 channels of recording including:
  - 32 Referential channels (EEG, EOG)
  - 8 Bipolar channels ( EKG, EMG)
  - 11 Auxiliary channel inputs
  - 1 Event channel
  - 8 DC channels
- Integrated impedance check
- Wide range of selectable sampling rates
- Integrated ambient light detector

## Derived Tracings

Flow (Nasal Cannula)	XFlow*
Snore (Nasal Cannula)	XSum*
Flow Limitation / Flattening (Nasal Cannula)	Tidal Volume*
Heart Rate (EKG)	Phase*
R-R Intervals (EKG)	Respiratory Rate*
	RMI*

\* XactTrace Belts

## Sampling Rates

- N7000 samples up to 2000 Hz.
- Somnologica Studio Software user selectable up to 2000 Hz
- Rembrandt Software user selectable up to 200Hz

## Communication Unit Specifications

- Standard RJ45 Ethernet connection with Category 5 cable
- Supports adult and pediatric studies
- 8 isolated auxiliary DC channels for external devices such as ETCO<sub>2</sub>, pH, etc.

Caution: U.S. Federal law restricts this device to sale by, or on the order of, a physician.

Embla systems are manufactured by Embla Systems, Inc., with headquarters in Broomfield, CO, USA. The manufacturers' quality system is certified in accordance with EN ISO 9001, EN ISO 13485:2003 and the Canadian CMDCAS, and fulfills the requirements of the MDD/93/42 European Directive and the U.S. Quality System Regulations.

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