

Embla® NDx



Versatile, advanced and superior PSG amplifier

The **Embla® NDx** recording system is a result of almost three decades of experience in the field of sleep medicine.

The system offers a high degree of flexibility and impeccable signal quality to meet the demanding needs of clinical work and research.

The **NDx** recorder is indispensable in a wide range of settings and represents the integration of advanced digital technology and precision engineering into an ergonomically designed PSG system..

- 64 channel amplifier with full 10/20 capability.
The top of the line in PSG recording.
- Interfaced with the Natus Base the NDx provides a wired solution for your PSG collection needs.
- Intuitive layout makes set up and night time interaction fast and efficient.



Advanced and superior

- Designed for routine and expanded sleep protocols, with up to 64 channels and full 10/20 EEG functionality
- Ideal for routine sleep studies and research applications

Versatile design

- The patient interface of the NDx consists of a lightweight Bedside Unit (which features quick-disconnect for easy patient mobility)
- The clinically enhanced NDx greatly reduces cabling requirements for signals such as respiratory effort, snoring, flow and SpO₂

Powerful, flexible PSG software

- Industry leading and AASM compliant PSG software
- Innovative tools to save time and optimize study quality
- Designed around common tasks and natural workflow
- Additional derived signals including flow, lung volume and RMI, when Embla® XactTrace effort belts are used

The Embla® sensor advantage

- Complete line of sensors and supplies available at www.stowood.com
- Unparalleled accuracy with Embla® XactTrace respiratory effort belts featuring XFlow™ - a reliable derived flow signal in the event of an absent or lost airflow signal
- Optimal sensor cable lengths available

Service

Stowood is committed to providing exemplary service to our customers. Our dedicated and experienced Customer Service Team will assist with every aspect of an order. To support our products, we provide factory-trained specialists for on site support. Additionally, we provide an in-house Technical Support Team, staffed with experts. Allowing our customers more time to care for their patients is our goal. Customer loyalty is our reward.



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Technical specifications

- Total of up to 92 channels of recording including:
 - 40 referential channels (EEG, EOG) + 24 programmable
 - 12 differential channels
 - 6 respiratory channel inputs
 - 2 event channels
 - 16 DC channels
- Integrated impedance check
- Wide range of selectable sampling rates
- Integrated ambient light detector
- User selectable up to 4096 Hz
- NDx headbox includes built-in Nasal Pressure and optional three-dimensional Body Position Sensor

Derived tracings

- | | |
|--|-----------------------------|
| • Flow (nasal cannula) | • Heart rate (EKG) |
| • Snore (nasal cannula) | • Qualitative Tidal volume* |
| • Flow limitation / Flattening (nasal cannula) | • XFlow* |
| • R-R Intervals (EKG) | • X-Sum™* |
| • SpO ₂ average | • Phase* |
| • SpO ₂ beat-to-beat | • Respiratory rate* |
| • Pulse rate | • RMI* |
| • Pulse waveform | |

*XactTrace Belts

Communication interface

Natus Base specifications

- Supported with Embla® RemLogic PSG platforms
- Offers a high quality colour LCD screen for signal display
- Standard RJ45 ethernet connection
- Supports adult and paediatric studies
- 8 isolated auxiliary DC channels for external devices such as ETCO₂ and pH
- Allows digital video camera and sound

Supplies

Stowood offers a full range of neurodiagnostic accessories and supplies promoting patient comfort. Our dedicated Customer Service Team provides a streamlined order and shipping process to save you time and money.

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