



Embla® S4500

Durable, reliable, and easy-to-use PSG amplifier

- The workhorse of the PSG lab. Intuitive and ergonomic design... this is the amp that will out perform your expectations.
- Interfaced with the MDrive, the S4500 provides a wired or wireless solution for your PSG collection needs.
- Flexible. Need more EEG? Just remove the S4500 from its cradle and replace it with the N7000 for full PSG with 10/20 EEG recording. No need for dedicated rooms or equipment for expanded EEG sleep recordings.

The **Embla S4500** PSG amplifier features a simplified design that includes a color-coded input panel to optimize efficiency during the patient set up process. This dual component system requires minimal cabling, has been specifically designed to compliment workflow, and complies with AASM guidelines. The Embla S4500 is so robust and reliable, you will be expanding on this platform for years to come.

Reliable and durable

- Designed to reject signal interference
- Records up to 32 channels
- Streamlined dual component design
- Minimized cabling increases patient comfort
- Integrated steel luer lock pressure transducer

Intuitive design

- Color-coded input panel featuring patient layout
- Supports and accelerates the training process
- Built-in impedance button with indicator lights
- One step disconnect simplifies unhooking the patient
- 2-pin sensor inputs reduce hookup time and ensure polarity

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 24/7 at www.shopembla.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

Technical specifications

Channels	
8 x EEG	1 x Snore
2 x EOG	1 x Body position
3 x EMG	2 x Respiratory effort
1 x EKG	1 x Pressure transducer
2 x General Purpose	1 x Oximeter
1 x Thermistor	8 x Isolated DC channels

Derived tracings	
Flow (nasal cannula)	Pulse waveform
Snore (nasal cannula)	Heart rate (EKG)
Flow limitation / Flattening (nasal cannula)	Tidal volume*
R-R Intervals (EKG)	XFlow*
SpO ₂ Average SpO ₂ Beat-to-beat	X-Sum™*
SpO ₂ Beat-to-beat	Phase*
Pulse rate	Respiratory rate*
XactTrace Belts	RMI

Sampling rates
S4500 samples up to 500 Hz
Software allows user to select sampling rates by channel type

Communication Interface**

MDrive specifications
Supported with Embla PSG Platforms
Offers a high quality color LCD screen for signal display
Includes a removable memory card for raw data backup (Remlogic and REMbrandt software only)

Communication unit specifications
Standard RJ45 ethernet connection
Supports adult and pediatric studies
8 isolated auxiliary DC channels for external devices such as ETCO ₂ and pH
**Check with local sales representative for availability in your country.

Service

Natus Neurology 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 Field Technicians and Clinical Application Specialists for onsite support. Additionally, we provide an in-house Technical Support Team, staffed with experts, and a strong distribution network in International Markets to offer a wide range of service options. Allowing our customers more time to care for their patients is our goal. Customer loyalty is our reward.

Supplies

Natus Neurology 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.

To learn more about Natus Neurology Service Programs or our full line of Supplies and Accessories, contact your local distributor or sales representative.

US Customers Call: **1-888-662-7632**



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