

The **Embla S4500** is durable, reliable, and an easy-to-use PSG amplifier.



- The workhorse of the PSG lab. Intuitive and ergonomic design... this is the amp which 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.

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](http://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)	Heart rate (EKG)
Snore (nasal cannula)	XFlow*
Flow limitation / Flattening (nasal cannula)	XSum™* Tidal volume*
R-R Intervals (EKG)	Phase*
SpO2 Average	Respiratory rate*
SpO2 Beat-to-beat	RMI*
Pulse rate	
Pulse waveform	

#### Sampling rates

S4500 samples up to 500Hz

Software allows user to select sampling rates by channel type

#### 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 ETCO2, pH, etc.

\*XactTrace Belts

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