



# *e* Series™

Comprehensive, Network-Linked Amplifier System for Sleep/EEG

From basic PSG and EEG studies to sophisticated research, the e-Series has more to offer.

The Compumedics e-Series digital amplifier has more to offer to meet your needs for sleep and neurological diagnostic recordings. It is designed for quick installation. Data transmission is a simple Ethernet connection to the computer. The system offers the features needed for efficient and flexible operation in PSG or EEG environment. So flexible that one system can record PSG studies during the night and EEG studies during the day (PSG/EEG-44 model).

No Compromises, No Worries

‘Defining *Life’s* Signals’



e-Series™

The e-Series digital physiologic amplifier systems are proven performers available in three versions to meet your specific needs:

For combined PSG and EEG diagnostic applications, the **e-Series EEG/PSG** is one of the most versatile amplifier systems with a total of 58 channels of data:

**44 amplified inputs**

- 32 referential inputs
- 12 bipolar inputs

**8 inputs for ancillary devices**

**4 channels from the available oximeter**

- SpO<sub>2</sub>
- Pulse rate
- Plethysmography waveform (supports PTT measurement)
- Signal Quality status

**2 pressure signals from integrated transducers**

- Nasal pressure flow signal
- CPAP or esophageal pressure

For EEG only applications, select either the **e-Series 32** or **e-Series 64** version:

**EEG 32**

Thirty two referential inputs; perfect for clinical EEG in the hospital or clinic - Routine, Long-term and Digital Video EEG.

**EEG 64**

Sixty four referential inputs; linked with Compumedics Digital Video, EEG 64 is ideal in the Long-term Monitoring Unit for scalp, depth and grid electrode recordings.

**All models include these key features:**

- Integrated impedance testing and display
- Input for event button (EEG application only)
- Sampling rates up to 512 Hz per channel
- Signals sampled, amplified and digitized in the headbox
- Ethernet 10-base-T interface

Enhance the use of the e-Series with the advanced Compumedics Digital Video Software.

Fully integrated into the network, high resolution streaming video is also available. Watch waveforms and video simultaneously over the high speed LAN. Compumedics Digital Video software utilizes network optimized MPEG-4 compression and is fully configurable for image size, frame rate storage and audio synchronization. Additional video features include pin-point area zooming, pan within the image frame, and frame by frame advance.



e-Series portable configuration



# Complete your e-Series system with powerful Compumedics diagnostic software...



## Look at these great features:

- Digital filtering allowing re-filtering of data during review and acquisition
- Re-reference the data during review and acquisition
- Split time base functions allow for exceptionally fast record review and event validation
- Change the visual data configuration with a mouse click
- Full automatic analysis for all primary event types and sleep stages
- Reports configured and viewed using standard MS Word
- Digital display of all calibrated channels
- Mouse directed tools for measuring durations, amplitudes, and instantaneous calibrated values at any point in the recording
- Highlight spindles, K complexes, delta waves, eye movements and significant EMG changes on the raw data
- Optional advanced research tools
- Fully compliant AASM mode

## Advanced concepts, superior performance:

- Summary graphics tool provides simple navigation to review and edit relevant segments of data; single step archiving of waveforms and digital video
- Real-time access to studies currently being recorded from physician review station using NetView
- Re-reference single channels or complete re-montage in acquisition or review
- User defined workspaces
- Standard integrated signal analysis (QEEG): brain mapping and spectral analysis
- Selectable digital filters
- All technician montage and filter changes are clearly indicated on the recording
- Software controlled, fully synchronized digital video, multiple window display
- Automatic link to MS-Word for narrative reporting
- Optional Automatic Spike and Seizure event detection (using Persyst Reveal)



Compumedics divisions:



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## Your local Compumedics Distributor:

## Other Compumedics Products



- > **Siesta 802**  
**Wireless Ambulatory recorder**  
 Radio linked Siesta for continuous wireless monitoring of your patient almost anywhere - just imagine the possibilities.



- > **Safiro**  
**Ambulatory EEG/PSG**  
 32 Channel Ambulatory recordings with the Safiro EEG/PSG.



- > **Somté PSG**  
 The simplest and most convenient way to meet requirements for **full PSG ... absolutely anywhere.**



- > **Somté**  
 An investigative tool for "holter-style" recording of both cardiac and respiratory data.



- > **Synamps<sup>2</sup>**  
 Neuroscan Synamps2 - the ultimate amplifier technology for research and clinical applications



- > **Xegis**  
 A reliable, flexible and most importantly easy-to-use EMG/EP/IO system, designed for both clinical and research applications.

All specifications are subject to change without notice. Please contact your Compumedics representative for the latest technical information, pricing and product availability. e-Series, Siesta, Safiro, Xegis, Somté, Somté PSG, Synamps, COMPUMEDICS and the Compumedics logo are all trademarks of Compumedics Limited, Australia.

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