

Technical Specifications

Neuvo Amplifier

Monopolar Channel Count	64 Per Headbox, up to 512 Per System
Bipolar Channel Count	4 Per Headbox, up to 32 Per System
Maximum Sampling Rate	10,000 Samples / Channel all channels driven
Sampling Method	All Channels Sampled Simultaneous
A/D Resolution	24 bits
Input Impedance	> 10 G ohms
CMRR	> 108 dB
Input Noise	4 μ Vpp, .01 - 100 Hz
Bandwidth	DC to 3500 Hz
Low Pass Filter (Maximum)	-3 dB at 2030 Hz
High Pass Filter (Minimum)	DC or -3 dB at .05 Hz, single pole
Full Scale Input Range (DC Mode)	+/- 200 mV
System Gain (DC Mode)	10
Sensitivity (DC Mode)	30 nV/bit
Full Scale Input Range (AC Mode)	+/- 995 μ V
System Gain (AC Mode)	2010
Sensitivity (AC Mode)	0.15 nV/bit
Digital (TTL) Inputs	8 Bit Stimulus, 8 Bit Response
High Level Input Range	+/- 5 V
Impedance Measurement	1K Ohm to 50 K Ohm
IMRR	> 127 dB
Headbox Size (h x w x d)	4.5 x 18.7 x 21.8cm, per 64 channels
Headbox Weight	1.5 kg
Device Certification	EU Risk Classification 2B Type CF FDA Class II FDA Product Code GWQ, GWP, GWF, GWE, GWJ

Neuvo Jack Box

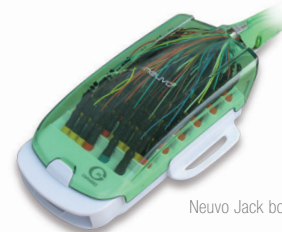
Channels	64, 1.5mm touch proof connector
Format	Patient worn amplifier to patient extension system
Cable Management	All touch proof connections behind cover with strain relieved cloth electrode lead cover



Wall Configuration



Cart option shown may vary



Neuvo Jack box

Neuvo System

AC Input voltage range	90 – 264VAC
AC Inrush current	Cold start, 20A at 115VAC, 40A at 230VAC
Isolation	4KVAC RMS to mains, 1.5KVAC RMS to ground
Power	61W
Mains Connector	10A IEC male input
Network Connection	10/100 base T with 1500VAC RMS isolation to meet IEC601-1-1
Strobe Connector	DB9 to provide power and control to Compumedics Strobe
Event Button Connector	Supports up to two event buttons
Trigger Connector	DB25 supporting 8 bits of Stimulus and 8 bit Response
Amplifier Connectors	4 MDR26 to support up to 4 Neuvo Amplifiers
Display Connector	DVI-D female to Compumedics Neuvo Display
DC Expansion Connection	4 Pin LEMO to support up to 4 modules. External DC, Pressure / Flow and Oximeter.

Environmental Specifications

Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 70°C
Operating Humidity	20% to 85% RH non condensing

System Safety Specifications

EN 60601-1	Medical Electrical Devices - General Requirements for Safety
UL2601.1	Including US National Deviations for IEC601-1
CSA22.2	Including Canadian National Deviations for IEC601-1
EN 60601-1-1	Collateral Standard - Systems
EN 60601-1-2	Collateral Standard - Electromagnetic Compatibility
EN 60601-1-4	Collateral Standard - Programmable Systems
EN 60601-2-26	Specific requirements for electroencephalographs

To find out more about this product,
contact your local Compumedics representative.

www.compumedics.com

Compumedics Limited, Australia:
Headquarters
30-40 Flockhart Street
Abbotsford VIC 3067, Australia
Ph: +61 3 8420 7300
Fax: +61 3 8420 7399
Free Call: 1800 651 751

Compumedics USA, Inc.:
5015 West WT Harris Blvd, Suite E
Charlotte, NC 28269
Toll Free: +1 877 717 3975
Ph: +1 704 749 3200
Fax: +1 704 749 3299

Compumedics Europe GmbH:
Werdauer Strasse 1 - 3
01069 Dresden
Ph: +49 351 5019-7682
Fax: +49 351 5019-7684

Compumedics France SAS:
Rue Jean Sapidus,
Bât Pythagore
67400 Illkirch-Graffenstaden
Ph: +33(0) 981 062 869
Fax: +33(0) 970 604 963

All specifications are subject to change without notice. Please contact your Compumedics representative for latest technical information, pricing and product availability. Neuvo and Compumedics are a registered trademarks of Compumedics Limited.