

Technical Specifications

Neuvo Amplifier

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|---|---|
| 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

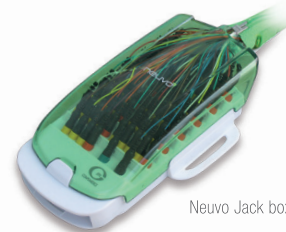
| | |
|-------------------------|--|
| Channels | 64, 1.5mm touch proof connector |
| Format | Patient worn amplifier to patient extension system |
| Cable Management | All touch proof connections behind cover with strain relieved cloth electrode lead cover |



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

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|------------------------------|------------------------------|
| 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

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|----------------------|--|
| 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.**

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