

Technical Specifications

Siesta802a Amplifier Specifications

- 32 user-defined AC referential inputs (4DC coupled)
- Input Range 2mV to 500mV Peak-to-Peak
- Full 16-bit digitization resolution
- Internal sampling rate of 1024Hz per channel
- Storage Rates 4Hz to 1024Hz per channel
- Frequency response 0.15Hz to 210Hz; DC to 210Hz for channels 1-4 in DC mode; 0.046Hz to 210Hz for channels 29-32 in extended mode
- High pass filter 0.15Hz
- Low pass filter: four pole anti-aliasing, -3dB at 210Hz
- Software-based Digital Filtering:
High Pass: 0-12Hz in 0.05Hz steps
Low Pass: 0Hz to half of sampling rate
- Input Impedance: 10MΩ
- Input Current: Typical 10nA, 100nA Max
- Input Noise: Typical 2μVpp
- CMRR: >100dB
- Calibration Signal: 1mV square wave signal generated through software command
- Data Storage: Built-in Compact Flash Card slot supporting CF card capacity of 512MB to 128GB
- RadioLAN Card: TCP/IP protocol, 2.4GHz and 5GHz 802.11a/b/g compliant, 802.11n compatible
- Wireless Security Options: WEP (40 and 128 bit), WPA1-PSK, WPA2-PSK.

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Dimensions

Size: 140mm x 76mm x 38mm, 5.5"x3"x1.5" (L x W x H)
Weight: 300 grams (9.6 ounces) with batteries installed

Operational Time

When powered by the internal NiMH battery pack the system will record for up to 15 hours with the radio on and up to 28 hours with the radio off.

When coupled with the Extended Battery Pack, recording times of 36 hours with the radio on and more than 80 hours with the radio off. Recording time is dependent on total data rate (channels and sampling rate settings).

Safety Standards

Complies with IEC60601-1 and IEC60601-1-2 specifications for medical electrical equipment and electromagnetic compatibility.

- FDA 510(k) market clearance
- CE 0120 Mark
- CF Patient rating

Available Components:

- > Siesta802a Amplifier
- > Custom pouch with waist belt and shoulder strap
- > External input adaptors
- > Rechargeable internal battery pack
- > External power supply/charger
- > Event button
- > Oximeter
- > Isolated inputs module
- > Pressure transducer module



Siesta802a in pouch with available External Extended Battery Pack



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