

Cervello Cortical Stimulator



- Full integration with Blackrock NeuroMed's Cervello 64-channel Amp
- Up to 128 channels of stimulation (2x 64-ch amps and Stimulators)
- Complete software control through Cervello software
- Lightweight for maximum portability
- Easy set up for quick initiation
- Software automatically annotated with stimulation parameters
- No external power cord; battery operated



Cortical Stimulation Specifications

Pulse Frequencies

- Single pulse; continuous: from 0.1 Hz to 100 Hz in steps of 0.1 Hz

Pulse Width Duration

- 50 μ s to 1000 μ sec in steps of 1 μ s (Equivalent to 0.5 to 1.0 msec)

Pulse Train Length

- User specified 1-15 seconds

Maximum Stimulation Charge

- 20 μ C

Maximum Voltage output

- 30 V

Current Stimulation Range

- 0.1 mA – 15 mA* with 0.1 mA steps (*15 mA output assumes electrode impedances of 2 Ω or less)

Stimulation type

- Biphasic

Cortical Stimulator Device Specifications

Device Measurements

- 3.5 x 3.9 x 1.6 in. (9 x 10 x 4 cm)
- .58 lbs. (263 gm)

Device Integration

- Cervello Stimulator requires use of Cervello amplifiers

Device Control

- Cervello Stimulator requires Cervello acquisition software

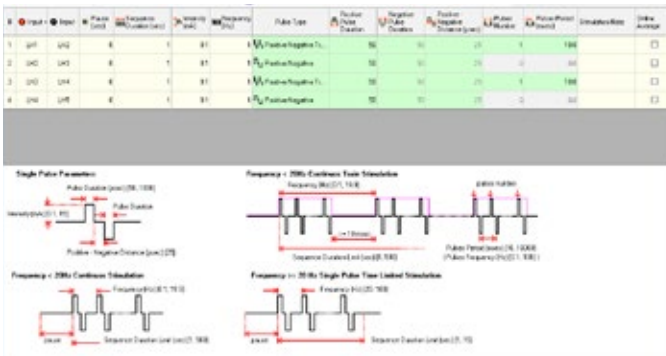
Channel Count

- 64 channels per device, up to two 64-channel devices
- (128 channels) for concurrent use; manual selection of up to four devices when using 256-channel Cervello system

Wireless Compatibility

- Bluetooth™ compatible

Cortical Stimulator Software Integration



Control

- Cervello Acquisition & Visualization software control
- Pulse width, train duration, and phase control

Programmable

- Control software provides ability for custom clinician-defined protocols

