

SPECIFICATIONS

FEATURES

Recording channels:	32
Sampling rate:	1 kHz
Sampling dynamic range:	16 bit (74 nV smallest increment)
High pass filter cut-off:	ca. 2 Hz
Low pass filter cut-off:	325 Hz
Amplifier band pass gain:	Adjustable: 100-750
Band pass roll-off:	20 dB/dec
Reference:	Any (subset) of the recording channels selectable by software or one dedicated hard-wired additional contact
Stimulation:	Current-controlled, biphasic, rectangular, asymmetric stimulus pulses (cathodic amplitude with pulse width followed by an anodic counter pulse of 1/4x amplitude and 4x pulse width)
Stimulation channels:	32
Current:	Max. -6 mA / +1.5 mA (24 µA increments) within compliance voltage range of -11 V to +5 V
Current source:	Can be directed to any of the 32 electrode contacts
Pulse width:	Negative phase: 10 µs – 2,500 µs
Power supply:	Wireless inductive, 120-140 kHz
Wireless datatransmission:	Bi-directional, radio frequency in 2400-2483.5 MHz band
Closed Loop latency:	≤ 40 ms

