



OT Bioelettronica

Administrative Office & Laboratory

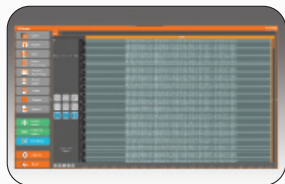
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process your signals

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novecento+

The novecento+ is a 960 channel
desktop bioelectrical amplifier.



novecento+



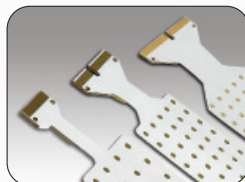
General description

The novecento+ is a 960 channel desktop bioelectrical amplifier.

It can detect surface electromyographic, intramuscular electromyographic and electroencephalographic signals at the same time. The signals acquired by the instrument are amplified, filtered, digitally converted and then transferred to a PC, via an USB/Ethernet interface. OTBIOLAB, a freeware software designed by OT Bioelettronica, allows to display the signals online, to acquire and process them.

Moreover, the data collected by OTBIOLAB is available on a TCP socket and can be accessed online by different software or different computers running any kind of operative systems.

Different electrode grids



Choose your probe



Auxiliary inputs



Technical specifications

- Novecento+ has a double power supply: internal battery or external 12 VDC. When used in battery mode, in combination with a battery powered laptop, it becomes a completely floating acquisition system ensuring the highest rejection to common mode interferences.
- The Novecento+ is an instrument designed for clinical research and it is a modular system. Many electrode configurations can be used simultaneously depending on the number of adapters which, in turn, allow acquisition from electrode pairs, electrode arrays and matrix electrodes (from 32 to 96 channels). In the full configuration, through its 10 IN connectors, Novecento+ is able to acquire up to 960 channels.
- Novecento+ allows to acquire 16 signals on auxiliary inputs. The signals can be generated by others amplifiers (e.g. force, torque, angle, position or trigger signals) which do not require an optical insulation.
- The Novecento+ is completely safe for the patient. The safety is achieved by means of medical grade electrical insulation of all the circuitry connected to the patient.



Technical data

Class	I BF
Power Supply	Internal 2S-2P lithium-ion cells or external 12V _{DC} – 72W (6000mAh)
Battery life	up to 40 hours
Channels	8 ÷ 960 (excluded 16 auxiliary inputs)
Pre-amplification Gain	2, 4, 6 and 8 V/V
Selectable high pass filters	F _{samp} /190 Hz
Selectable low pass filters	F _{samp} /4 Hz
Sampling frequencies	500, 2000, 4000, 8000 Hz
Resolution	16/24 bits
Input range	± 1.2 V _{pp}
Noise	< 2 µV _{RMS}
Input impedance	> 10 ⁹ Ω