

high density EMG in your pocket



Custom matrixes

SW for Tablet and SmartPhone



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Developed with **LISIN**, Politecnico di Torino (Italy)



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resantaquattro

high density EMG in your pocket



64 channels

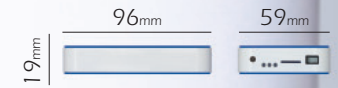


sessantaquattro high density EMG in your pocket



Technical data

Class	II BF
Channels	64
Bandwidth	10 Hz - 500 Hz
Input range	0-3.3 V _{pp}
Noise	< 2 μ V _{RMS}
Sampling frequency	250, 500, 1024, 2048 Hz
Communication	Wi-Fi
Receiver	PC, Smartphone, Tablet (Android)
Resolution	16 bits
Life time	8 hours in continuous transmission
Power supply	1 cell Li-Po battery
Weight	110 g



Applications

In addition to the information obtainable with bipolar systems (timing and degree of muscle activation), with sessantaquattro users may:

- Identify anatomical muscle features;
- Decode the neural drive to the muscles;
- Quantify the spatial distribution of muscle activity.

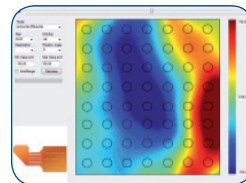
General description

Sessantaquattro is a portable system for high density (64 channels) EMG detection. Data can be transmitted via Wi-Fi to PCs, Tablets and Smartphones or stored on SD card for long-term acquisition (>1 h). Data can be visualized in real-time with OT software, Matlab and Android Apps. Users can integrate their own Apps into the system.

Easy High Density EMG Detection



HD Energy Maps



64 channels

...all this and more in your pocket

