

# high density EMG in your pocket



Custom matrixes

SW for Tablet and Smartphone



## OT Bioelettronica

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[www.dart-sas.it](http://www.dart-sas.it)

# serrantaquattro

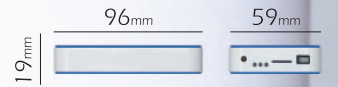
high density EMG in your pocket



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 <sub>pp</sub>
Noise	< 2 μV <sub>RMS</sub>
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.

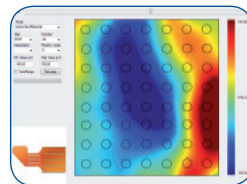
## General description

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

