

smart device



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quattro
EMG smart device



quattro EMG smart device



General description

Quattro is a four channel portable device for EMG signals detection. It has wired (USB) and wireless (Bluetooth) capability. It also features analog outputs that can be used to synchronize the acquisition with other devices.



Our technology



Patented concentric electrode CoDe

4 channels

Technical specifications

- Four adapters allow the connection of bipolar electrodes with any kind of plug: banana, concentric or snap-on connectors. It can detect signals during voluntary or electrically elicited contraction including a circuit for the artifact reduction.
- The instrument can be easily controlled by custom applications running on PCs, tablets and smartphones. It can provide the raw data or preprocessing results like ARV, by reducing

the amount of data transfer in simple applications. Alternatively, the freeware software OT biolab can be used to display and acquire the signals detected from Quattro.

Technical data



Class	II BF
Power Supply	Internal lithium-ion single cell
Battery life	8h
Channels	4
Bandwidth	10 – 500 Hz
Gain	150 V/V
Sampling frequency	1024 Hz
Resolution	16 bits
Input range	0 ÷ 30 mV _{PP}
Noise	< 2 μV _{RMS}
Input impedance	> 10 ⁹ Ω
Weight	90 g

