

OT Bioelettronica

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









DuePro is a wearable EMG device designed to meet the most demanding needs in different applications, including sports, ergonomics and rehabilitation. DuePro records up to 14 bipolar EMG signals and 2 auxiliary signals (e.g. force, angle) with 7 wireless probes simultaneously.

DuePro works with PCs (with receiving unit), tablets and smart phones (direct communication). With DuePro, users may acquire, visualize and process data using the OTBioLab+software (free of charge), Matlab scripts and Android Apps.

probes 14 signals



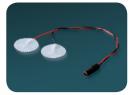
duepro

the first truly smart EMG

Due support straps



Ag/AgCI electrodes



DuePro is specifically designed to provide users with indication of the timing and degree of muscle activity in highly dynamic activities (e.g., running, skiing, rowing).

ving). Sports





end users





DuePro suits well for prolonged recordings of muscle activity during particularly demanding work tasks and in complex work stations.

Ergonomics

Technical data

Class	II BF
Number of probes	7
Number of EMG channels for each probe	2
Number of auxiliary signals	2
Gain	200 V/V
Bandwidth	10 - 500 Hz
CMRR	>100 dB
Sampling frequency	2048 Hz
Communication	Bluetooth 4.0
Receiver	PC, Smartphone, Tablet (Android)
Resolution	16 bits
Probe dimensions	47 x 11mm
Battery	450 mAh (up to 11 h in continuous transmission)
Power supply	1 cell Li-Po battery
Charging mode	wireless

DuePro is a user-friendly and highly customizable interface for therapeutic interventions (e.g. via biofeedback) and for monitoring rehabilitation progress (e.g. degree of muscle tension, back pain).

Rehabilitation



