

# duepro



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www.dart-sas.it

# duepro

the first truly smart EMG



from 2 to 14 channels



## General description

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.

7  
probes  
14  
signals



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Due support straps



Ag/AgCl 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).

### 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 11 mm
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