

biofeedback



Leg ergometer

Elbow ergometer



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forza
force biofeedback



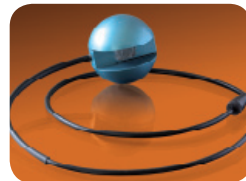
load cell amplifier



forza force biofeedback



Handgrip ergometer



General description

Forza has been designed to amplify analog signals coming from: electrogoniometers, load cells, torque meters or from any other sensors. Forza is a portable device (96x59x19mm), weights 110g and is battery powered.

load cell amplifier

Technical specifications

- Forza amplifies analog signals with a selectable gain of 100, 200, 500, 1000 V/V. The user can remove the input offset.
- The amplified signal is digitalized and acquired, through USB connection with the OT Biolab free software, both freely available.
- The analog output is also available for visualization or acquisition through

general purpose acquisition boards or oscilloscopes. Forza may be used with our EMG systems or as a stand-alone device.

Technical data



| | |
|--------------------|----------------------------------|
| Class | II BF |
| Power Supply | Internal Lithium-ion single cell |
| Battery Life | 8h |
| Channels | 1 |
| Bandwidth | 0 – 33 Hz |
| Sampling Frequency | 100 Hz |
| Resolution | 16 bits |
| Input range | 0-50 mV _{pp} |
| Output range | 0-5 V |
| Noise | < 20 μV _{RMS} |
| PC communication | USB |
| Weight | 110 g |

