

Instrumented ergometer for wheelchair **VP25A**

Medical professional use and for high-level athletes

VP25A (Active) is an instrumented ergometer destined to mobility-impaired persons, allowing the simulation of motion, with positive and negative slopes and camber.

Two pairs of motorized rollers can rotate or brake the wheels of the wheelchair.

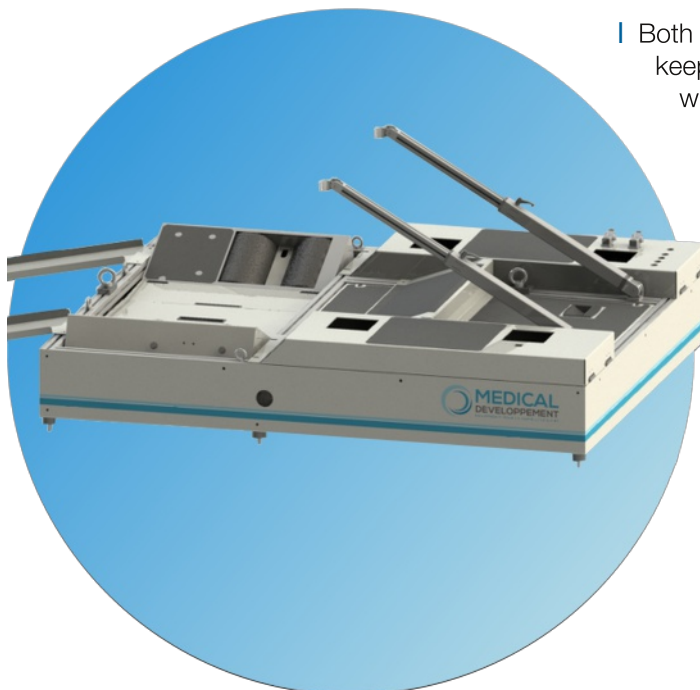
Intended use

The medical approach is the focus of the **VP25A** ergometer conception. With its adjustments, it will be able to respond all your needs:

- | **Sports training**
- | **Energy capacities evaluation**
- | **Programmable force and power test**
- | **Programmable endurance test**
- | **Rehabilitation**

Characteristics

- | Both rollers are angular adjustable (from 0° to 25°) allow keeping a good "rolling" efficiency, also with sport wheelchair, having a large wheel camber.
- | Good stability of the ergometer.
- | Good stability of the wheelchair.
- | Many different test mode: power, force, endurance, free script, ...
- | The motors allow braking and acceleration, on both wheels, regardless. That allows simulating uphill, downhill and cambers.
- | Separated analysis of the power given to the both wheels (index of symmetry).



Dialogue

An intuitive interface, on a touch screen, allows using all the functionalities of the VP25A ergometer.

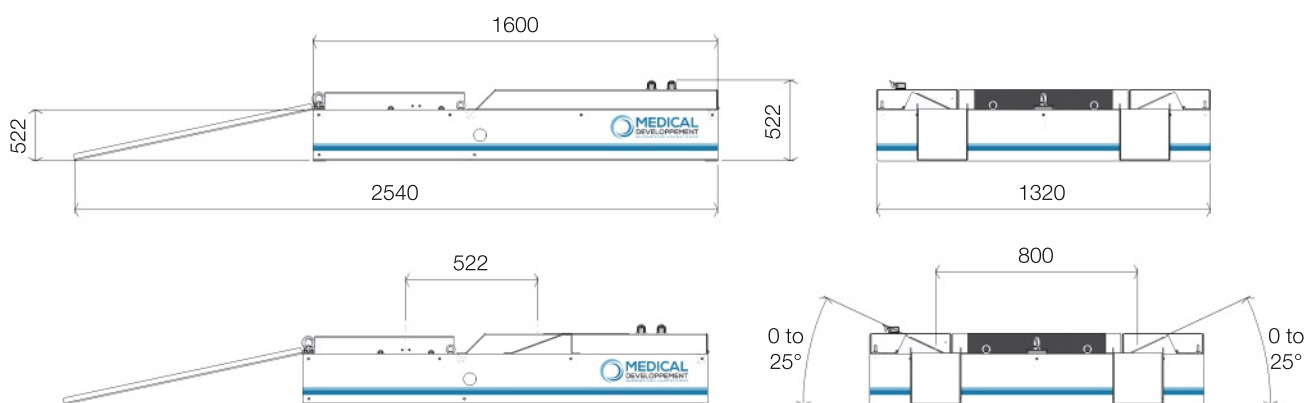
Main page



Sequences page



Dimensions



The dimensions are written in millimeters (mm)



VP25A ergometer technical specifications

Use :	Sports training, energetical capacities evaluation, programmable force, power and endurance tests.
Activity :	Wheelchair
User weight :	Maximum 200 kg, wheelchair included.
Dimensions :	Length : 1600 mm. Length with ramps : 2540 mm. Width : 1320 mm. Height : 320 mm.
Weight :	268 kg.
Color :	White (RAL 9010). Other colors on demand.
Speed :	0 to 10 km/h, option 20 km/h.
Effort :	Braking or rotating, both wheels regardless.
Rollers angle :	Adjustable from 0° to 25°.
Power supply :	230 VAC/N/PE, 50-60 Hz. Input fuses : 20A.
Motorization :	2 brushless motors, 400 W, controlled by a frequency converter.
Protection rating :	IP 20
Leakage current :	Medical : < 0,5 mA
Ambiance :	Temperature : from 10°C to 40°C. Humidity : from 30% to 75%. Maximum altitude : 2500 m.
Interface :	PC, using Windows.
Security :	Emergency stop, category 3.
Certifications :	Materiel compliant with the CE standards. Machine Directive 2006/42/CE. MDD - Directive 93/42/EEC, class 1.
Noise level :	> 72 dB.
Warranty :	2 years.





Medical Development authorized retailer stamp



MEDICAL DEVELOPPEMENT

A Group C-INVEST society - SARL with a capital of 2 568 000 €

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