



## Cycle ergometer for stress tests h1014\_03

Cycle ergometer with electrodynamic brake and power up to 1400 Watts. Dimensions: W 110 x D 53 x H 130 cm.

The **h1014\_03 cycle ergometer** is a professional device for performing **advanced stress tests in hospital and clinical settings**, designed to provide **high performance, precise effort control, and maximum reliability**. It is ideal for **cardiovascular tests, functional evaluations, and intensive stress tests**, even on high-performance physical patients.

Equipped with a **10.1" resistive touchscreen monitor**, the device is managed by an **integrated iMX6 DL (Linux) PC**, which allows **direct resistance control, visualization of parameters, and customization of work protocols**. The technological heart of the cycle ergometer is its **computer-controlled electrodynamic brake**, with **adjustable torque in speed-dependent or independent mode**, supported by a **load cell feedback system** to ensure **precision and repeatability of workloads**.

With a **resistance up to 1400 Watts and 1 Watt increments**, it offers an extremely wide work range, suitable for both patients in critical conditions and athletes undergoing maximal evaluations.

The **adjustable saddle** for heights from 120 to 210 cm and the **maximum supported weight of 180 kg** guarantee use by a wide variety of users. **Easy access**, the **360° adjustable handlebar**, and the **180° swiveling console** ensure ergonomics and comfort for the patient and ease of monitoring for the operator.

The device is certified as a **medical device according to the CE 93/42/EEC directive** and comes complete with accessories for immediate use in a healthcare environment.

Purchase the **h1014\_03 cycle ergometer** now to ensure high-precision stress tests in your healthcare facility. Request a quote for multiple supplies or dedicated customizations!

### Technical characteristics:

- **Dimensions:** W 110 x D 53 x H 130 cm
- **Weight:** 60 kg
- **Monitor:** 10.1" resistive touchscreen
- **Operating system:** Linux (PC iMX6 DL, 1GB RAM, Micro SD 8GB)
- **Resistance:** 0–1400 constant Watts
- **Load increment:** 1 Watt
- **Brake type:** Computer-controlled electrodynamic
- **Feedback system:** Load cell for torque measurement
- **Effort adjustment:** Cadence-dependent or independent
- **Drive:** Chain
- **Pedaling speed:** 3 – 130 RPM
- **RPM display:** LED scale on the opposite side of the display
- **Power supply:** 100–240V~, 50–60 Hz, 1.6–0.7A
- **Saddle adjustment:** For heights from 120 cm to 210 cm
- **Maximum user weight:** 180 kg
- **Certification:** CE 93/42/EEC
- **Wheels for transport**
- **Power cable**

- **RS232 cable**
- **360° adjustable handlebar**
- **180° swiveling console**

#### User benefits:

- **Excellent:** load precision, even at high powers.
- **Control:** complete effort control for advanced clinical tests.
- **Usable:** on patients of all sizes and physical conditions.
- **Access:** easy access and adjustable seat for greater comfort.
- **Instrument:** CE certified, suitable for professional medical use.

#### FAQ:

- 1. Is this model suitable for high-intensity stress tests?**  
Yes, thanks to a maximum power of 1400 Watts, it is perfect for high-load cardiovascular tests, even on athletes.
- 2. Is the braking automatic?**  
Yes, it is controlled by a computer with load cell feedback, for automatic effort management.
- 3. Can I adjust the effort during exercise?**  
Yes, the minimum increment of 1 Watt allows for precise and continuous adjustments even in real time.
- 4. Is it possible to connect external monitoring systems?**  
Yes, via the RS232 port, you can integrate the cycle ergometer with analysis software or external monitoring systems.
- 5. Is the device certified for medical use?**  
Yes, it complies with the CE 93/42/EEC Directive, specific for medical devices.

#### Mini buying guide:

For advanced clinical tests or high-intensity functional evaluations, it is essential to choose a **cycle ergometer with a controlled electronic brake, wide power output, and adjustment precision.**

The H1014\_03 model meets these needs with a resistance range up to 1400 Watts, **fine effort adjustment, load cell feedback**, and **monitoring via a touchscreen interface.**

Compatibility with external software and adjustable ergonomics make it perfect for **outpatient clinics, cardiology departments, sports medicine, and high-level rehabilitation centers.**

*High-performance stress test cycle ergometer, hospital cycle ergometer 1400 Watt, ergometer with electrodynamic brake and feedback, CE cardiovascular test cycle ergometer, medical device for stress tests.*

*\*Images are purely indicative.*

## INFORMATION

