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Stress test ergometer h1014_01

Cycle ergometer with electrodynamic brake and 10.1” touch monitor. Dimensions: L 110 x D 53 x H 130 cm.

The **H1014_01 Stress Ergometer** is a professional device designed for use in **hospital and clinical settings** for functional patient assessment through controlled stress tests. It is particularly suitable for **cardiology, sports medicine, and rehabilitation laboratories** thanks to its **electronic effort adjustment system and electrodynamic feedback brake**.

Equipped with a **10.1” touchscreen monitor**, this cycle ergometer offers an intuitive and versatile interface. The control system, based on an **iMX6 DL PC with Linux**, allows for **precise power management (0-700 Watts) with a minimum increment of 1 Watt**, ideal for stress test protocols, cardiopulmonary assessments, or progressive rehabilitation.

The computer-controlled electrodynamic brake adapts to the pedaling frequency, offering **constant effort or effort dependent on the number of revolutions**, based on the selected protocol. The **feedback system with a load cell** allows for accurate torque measurement and precise, repeatable effort management.

Among its strengths are the **low step-through access** and the **saddle adjustable for users from 120 to 210 cm in height**, making it suitable for a wide range of users, up to **180 kg in weight**. The cycle ergometer is compatible with **Polar H7, H9, and H10 BLE chest straps** via a certified dongle (not supplied by the manufacturer). The **180° swiveling console** and the **360° adjustable handlebar** offer maximum comfort for both the user and the operator during test sessions.

Purchase the **H1014_01 stress ergometer** now to ensure reliability, precision, and comfort in clinical and cardiological tests. Contact us for hospital supplies or tailor-made solutions!

Technical features:

- **Dimensions:** L 110 x D 53 x H 130 cm
- **Device weight:** 60 kg
- **Monitor:** 10.1” resistive touch screen
- **Operating system:** Linux (iMX6 DL PC, 1GB RAM, Micro SD 8GB)
- **Power output:** 0–700 Watts, 1 Watt increment
- **Brake type:** Electrodynamic, computer-controlled
- **Feedback system:** With load cell
- **Drive type:** Chain drive
- **Pedaling speed:** 3–130 RPM
- **LED RPM display:** Light scale on the opposite side of the display
- **Adjustable saddle:** For users from 120 to 210 cm
- **Maximum user weight:** 180 kg
- **Heart rate monitor compatibility:** Polar H7, H9, H10 BLE (via dongle)
- **Power supply:** 100–240V~, 50–60 Hz, 1.6–0.7A
- **Certifications:** CE 93/42/EEC
- **Wheels for transport**
- **Power cable**
- **RS232 cable**
- **180° swiveling console**
- **360° adjustable handlebar**

User benefits:

- **Effort:** controlled and precise for cardiac tests and functional assessments.
- **Compatibility:** with Bluetooth heart rate straps for real-time monitoring.
- **Easy:** access and adjustable saddle for all types of patients.
- **Console:** swiveling and flexible handlebar for versatile use.
- **System:** quiet and reliable braking system with feedback.

FAQ:

1. **Is the cycle ergometer suitable for cardiological stress tests?**
   Yes, it is specifically designed for clinical and sports stress test protocols, with controlled resistance and an electrodynamic brake.
2. **What is the minimum/maximum user height supported?**
   The saddle is adjustable for users from 120 cm up to 210 cm.
3. **Can I use a Polar heart rate strap?**
   Yes, it is compatible with Polar H7, H9, and H10 BLE through a certified dongle (not included).
4. **Is external software needed to control it?**
   No, the device is equipped with an integrated PC with Linux operating system and a touchscreen interface.
5. **Is it easy to move?**
   Yes, it is equipped with integrated wheels for internal transport, despite its weight of 60 kg.

Mini purchase guide:
When choosing a **clinical stress ergometer**, it is essential to evaluate the **precision of effort regulation**, **versatility of use**, and **structural robustness**.

The H1014_01 model combines an **advanced control system** with **accessibility for a wide range of users**, making it ideal for cardiology, rehabilitation, and sports medicine.

The electrodynamic brake with a load cell allows for **accurate and documentable effort control**, fundamental in clinical contexts.

The presence of modern interfaces (touch monitor, heart rate strap connectivity, RS232) makes it **easily integrable into hospital protocols**. Verify that the device has **medical CE certifications**, as in the case of this model (93/42/EEC).

Professional stress ergometer, *hospital ergometer with electrodynamic brake*, *touchscreen cardiological ergometer*, *CE certified stress test device*, *ergometer with easy access.*

**Images are purely indicative.*

INFORMATION

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