



MONARK 928



Advanced Medical Ergometer with Electronic Pendulum System

Designed for advanced submaximal and maximal testing in health care, occupational health and clinical diagnostics. With Monark's electronic pendulum system (EPS) the 928 combines high precision with reliability, making it the preferred choice for medical and rehabilitation professionals.

KEY FEATURES

- **EPS** – Electronic Pendulum System
- **Power Modes** – RPM-independent (constant power) and RPM-dependent (constant force)
- **Manual and Electronic Calibration** – Easy, reliable and consistent results
- **For clinical testing, work evaluation and rehabilitation**
- **Wireless Connectivity** – BLE (FTMS) and ANT+ (FE-C)
- **Wired Connectivity** – USB-B (max 3 m) for direct, stable data transfer
- **Monark Novo Duo display** – Monochrome touchscreen for clear and quick reading of data.
- **Monark Upright frame** – Adjustability to fit every unique user and low step-through for easy access

Max User Weight 180 kg

Monark Test Software

Medical Device Class IIa

Pendulum System



Specifications

MONARK 928

CERTIFICATIONS	
EU directive 93/42/EU class IIa	
FRAME	
Type	Monark upright frame
Handlebar	Monark upright handlebar, H/V adjustable
Seatpost	Monark upright seatpost, H/V adjustable
Saddle	Wide soft
BB	68/122 mm
Crank	Steel, 170 mm
Pedals	9/16", pedals with foot straps
Covers	High-quality recycled plastic
RESISTANCE	
System	Electronic pendulum system
Calibration	Electronic (Novo Duo) and mechanical (Pendulum with 4 kg calibrated weight)
Flywheel	20 kg (44.1 lbs)
DISPLAY	
Monark Novo Duo Display Monochrome Touchscreen	
RPM	Yes
HR	Yes, ANT+
Time	Yes
Speed	Yes
Distance	Yes
Watt / KP	Yes
CONNECTIVITY	
Wired	USB-B, (wired, max 3 m)
Wireless	BLE (FTMS), ANT+ (FE-C)
WEIGHT & DIMENSIONS	
Max user weight	180 kg (397 lbs)
Recommended user height	>150 cm (>59 in)
Length	1240 mm (49 in)
Width	520 mm (20 in)
Height	1100 mm (43 in)
Weight	64 kg (141 lbs)
POWER REQUIREMENTS	
220V (12V, 5.0A)	



CONNECTION

Wired: USB-B (max 3 m)
Wireless: BLE (FTMS) and ANT+ (FE-C)



SOFTWARE

SOFTWARE COMPATIBILITY

Compatible with external platforms for testing and integration. Supports both standalone use and advanced connected environments.



HEART

HEART RATE MONITORING

Displays heart rate when connected via chest belt (ANT+)



TEST

TEST FUNCTIONALITY

For aerobic, submaximal and maximal testing in clinical, occupational health and rehabilitation settings.



POWER

CONSTANT POWER

Maintains a fixed power output regardless of cadence (RPM)



FORCE

CONSTANT FORCE

Maintains a fixed resistance (kp) regardless of cadence (RPM)

MEDICAL CE

Monark Exercise AB is since 1992 ISO 9001 certified. All models are:

- Approved under CE Certificate No. 15 36 01 (MDD IIa)
- Anti-corrosion treated and powder coated
- Made in Sweden



Description

MONARK 928

APPLICATIONS

Designed for advanced submaximal and maximal testing in health care, occupational health and clinical diagnostics. The 928 combines high precision with reliability, making it the preferred choice for medical and rehabilitation professionals.

Ideal for:

- **Occupational health** – Workload testing and functional capacity evaluations
- **Medical rehabilitation** – Controlled aerobic reconditioning after illness or injury
- **Clinical testing** – Submaximal and maximal VO₂ protocols
- **Research and education** – Reliable data for structured testing in labs and universities
- **Fitness assessment** – Åstrand, YMCA, Ekblom-Bak and other validated test protocols

SOFTWARE & INTEGRATION

Connectivity via USB-B, BLE (FTMS) and ANT+ (FE-C) ensures compatibility with modern test environments and external platforms. The 928 delivers stable performance whether used as a standalone ergometer or fully integrated in advanced diagnostic systems.

- **Resistance** – Electronically controlled, mechanically calibrated
- **Control modes** – WATT (constant power) or KP (constant force)
- **Connectivity** – USB-B (max 3 m), BLE (FTMS), ANT+ (FE-C)
- **Heart rate** – Displayed via ANT+ chest belt
- **Display** – RPM, time, speed, distance, WATT/KP, heart rate

Typical use includes side-by-side installations with stress test systems (e.g. CPET and ECG).



Description

MONARK 928

PRODUCTION AND SUSTAINABILITY

Monark has been manufacturing ergometers in Sweden since 1954, with a clear philosophy: to deliver precise, reliable and durable products for research, rehabilitation and performance development.

The 928 is assembled in Sweden, with most components sourced from Swedish and European suppliers. The frame is welded locally and the covers are produced from high-quality plastic in southern Sweden.

Monark ergometers are used daily by professionals in research, physiotherapy and sports worldwide. Through continuous product development and close collaboration with leading experts, we have built a strong reputation for accuracy, ergonomics and long product life.

Monark 928 – Calibrated performance for advanced testing.



Monark Exercise AB

Monark has over 100 years of experience in bicycle production. This long tradition has resulted in deep know-how, hands-on expertise, and a genuine understanding of product quality and performance. Since the early 1900s, Monark cycles have represented precision, reliability, durability, and quality.

Today, we are a trusted global provider of high-precision cycle ergometers for research, sports science, clinical use and performance testing.

We develop, manufacture, and market ergometers and exercise bikes. Our largest customer groups are within health care, sports medicine, and exercise physiology.

For more information please visit: www.monarksportsmed.com



PRODUCTS FOR LIFE AND PERFORMANCE



MONARK EXERCISE

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