MONARK 939

EPS

Advanced diagnostic ergometer

The Monark 939 is our most advanced medical/diagnostic cycle ergometer. It combines the proven accuracy of Monark's Electronic Pendulum System (EPS) with dual wired and wireless connectivity. The result is seamless integration with CPET and ECG systems and highly repeatable results for submaximal and maximal protocols.

KEY FEATURES

- **EPS –** Electronic Pendulum System
- **Power Modes –** RPM-independent (constant power) and RPM-dependent (constant force)
- **Manual and Electronic Calibration –** Easy, verifyable, reliable and consistent results
- **For clinical testing, work evaluation and rehabilitation**
- **Wireless Connectivity –** BLE (FTMS) and ANT+ (FE-C)
- **Wired Connectivity –** RS232 and 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 939

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	RS232 and USB-B (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)

USB

BLE FTMS

ANT+ FE-C

CONNECTION

Wired: RS232 and USB-B (max 3 m)
Wireless: BLE (FTMS) and ANT+ (FE-C)

SOFTWARE

SOFTWARE COMPATIBILITY

Compatible with external platforms for testing and integration. Supports 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 diagnostics, occupational health and rehabilitation settings.

C POWER

CONSTANT POWER

Maintains a fixed power output regardless of cadence (RPM)

KP 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

Edition 1. 2026_05

Description
MONARK 939

APPLICATIONS

Designed for clinical diagnostics where controlled, traceable workloads and repeatable results are essential. The upright, low step-through frame and wide adjustability support safe patient access, while seamless use alongside CPET/ECG systems enables standardized protocols and clear documentation over time.

Ideal for:

- **ECG diagnostics –** Hospital stress testing with controlled, traceable workloads
- **CPET diagnostics –** Clinical testing with metabolic carts
- **Serial diagnostics & follow-up –** Repeatable results over time with easy verifiable calibration
- **Occupational medicine (diagnostic) –** Calibrated, traceable workloads supporting accurate clinical clearance for work.
- **Fitness assessment –** Åstrand, YMCA, Ekblom-Bak and other validated test protocols through Monark Software

SOFTWARE & INTEGRATION

Built for diagnostic workflows that require stable control and traceable data.
Direct wired control via RS232 and USB-B (max 3 m); wireless communication available through BLE (FTMS) and ANT+ (FE-C). Reliable in stand-alone use and fully integrable with CPET/ECG systems for data capture and control.

- **Resistance –** Electronically controlledwith mechanical and electronic calibration
- **Control modes –** WATT (constant power) or KP (constant force)
- **Connectivity –** RS232**,** 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
- **Operation -** Standalone or integrated side by side with CPET/ECG systems

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Description
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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 939 – Calibrated precision for advanced diagnostic testing

Edition 1. 2026_05

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

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PRODUCTS FOR LIFE AND PERFORMANCE

MONARK EXERCISE

Version: 2026

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