

Rehabilitation Bike 8.5R

dyaco



The 8.5R places a focus on enhancing hip and lower body joint mobility, thereby facilitating more effective rehabilitation within a comfortably relaxed posture. It introduces groundbreaking neurological programs such as Symmetry and Power Distribution, which contribute to accelerated recovery processes. The newly revamped 8.5R features a fully adjustable seat that can be easily removed, allowing convenient wheelchair access.

The 8.5R offers a choice of three workload options, including Constant Power, Isokinetic, and Constant Resistance, alongside the inclusion of the Wingate Test program and Power Distribution program, the system is further augmented by a user-friendly 10-inch touch panel console with versatile multi-connectivity protocols. These combined features provide significant advantages for both therapists and patients, enhancing the quality of care and the rehabilitation experience.



Timer Program

A quick set-up, large font, egg timer type display for patient warm-ups.

Symmetry

The Symmetry program is designed to assess and quantify the balance of power between the left and right legs throughout the rotation. This program delivers both a graphic and numeric representation of leg power symmetry.

Wingate Test Program

The industry standard for evaluating power output and fatigue rates during anaerobic assessments.

Power Distribution Program

The program offers a visual representation of power distribution in watts throughout the pedal rotation, providing valuable insights into the patient's performance.

Magnetic Resistance System

Our system offers a low start-up threshold, delivering a wide range of smooth, comfortable, and highly precise resistance levels.

Bidirectional Resistance

This functionality allows for pedaling in both forward and reverse directions, enabling immediate retro-cycling to diversify exercise options.

Workload Modes

Catering to various rehabilitation needs, users can choose from three distinct workload options: Constant Power, Isokinetic, and Constant Resistance.

Manual Mechanical Brake Lever

Providing an added layer of control and safety, users can now activate the manual mechanical brake lever by simply pressing down.

Auto-braking

We put user safety in front of anything. Equipped with advanced sensing technology and software, our system automatically halts the flywheel when it detects the user's attempt to stop pedaling. It is achieved by applying a braking force to eliminate pedal inertia.

Adjustable Crank Arm (Optional)

For patients with limited mobility or injuries, the pedal crank arms can be adjusted to accommodate a restricted range of movement, ensuring a tailored rehabilitation.

MED Range 8 Series

The whole new 8.0 Series comes furnished with a 10" touch panel console, providing direct access to the Dyaco Insight cloud computing platform for data analytics. The Beacon, positioned on top of the console, employs vividly colored lights to assess exercise intensity and offer physical therapists an immediate visual cue regarding their patients' advancement. The broad connection, wireless capabilities, multiple access login, and real-time streaming data transfer are all integrated features designed to amplify therapists' productivity and support patients' rehabilitation outcomes.



360-Degree Articulating Arm

This feature allows clinicians to manipulate the console from any position around the machine, ensuring both a suitable distance and angle for optimal patient observation.

Beacon

Utilizing vibrant lights positioned atop the console, the Beacon efficiently assesses exercise intensity and provides a quick visual signal to physical therapists regarding their patients' progress. The Beacon can be configured to display information such as the remaining Program Time, Power level, Exercise goals, or Heart Rate percentage.

Wireless Connectivity

With Wi-Fi, the console can connect to Dyaco Insight, two Bluetooth channels for wireless heart rate devices and third-party apps, as well as ANT+ compatibility.

Broad Connection

The console offers versatile connectivity options, including hardwired connections for data streaming to PCs and links to external devices like cardiac stress testing systems.

Specifications

Quick Start Features
Programs

Quick Start, Timer
Manual / Hill / Plateau / HIIT / Facility / Heart Rate Target / Calories Target / METs Target / Wingate Test / YMCA / Astrand Rhythmic / Conconi Test / Steep Ramp Test / Power

Premium Features

Distribution

Workload Option

Symmetry

Workload Range

Isokinetic, Watt Control, Constant Resistance

Resistance Level

5 to 1200 Watts

Resistance Type

1 to 100 Levels

Magnetic Resistance System

10.1" Touch Panel Console

Yes

Beacon (Color change based on Time, Progress or Goals)

Yes

Data Transfer

Yes

Wireless TX/RX (BLE FTMS, ANT+)

Yes

Wireless TX/RX (Wi-Fi)

Yes

Comm. Port - NFC (for log in)

Yes

Comm. Port - RS232 (for Cardiac Stress Test)

Yes

Comm. Port - USB Type B (for Cardiac

Yes

Stress Test & Data Transfer)

Bi-Directional Resistance

Yes

Adjustable Crank Length Set

Option

Fore/Aft/Rotate Seat

Yes

Power

90 - 240 V AC

Max User Weight Capacity

200 kg (440 lbs.)

Certifications

CAN/CSA-C22.2 No. 60601-1:14,
ANSI/AAMI ES60601-1:2005+A2 (R2012) +A1,
IEC 60601-1-2:2007,
EN 60601-1-2:2007,
IEC 60601-1:2005,
EN 60601-1:2006+A11+A12,
EN ISO 20957:2013,
MDR 2017/745/ Class Im (Pending),
IEC62304,
FCC, ADA

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