



OCEANIC REHAB 403Advanced Rehabilitation Treadmill (Advanced Model)

Product Overview

Oceanic REHAB 403Advanced brings advanced data-driven therapy to modern rehabilitation centres. It merges mechanical precision with intelligent GUI software that logs every session, tracks patient progress, and supports evidence-based rehabilitation.

Smart GUI & Safety Features

- **Target Setting Mode** – define **Time / Distance / Calories / Pulse** goals with live progress bars.
 - **Auto Stop on Pulse** – treadmill pauses or stops automatically if heart rate exceeds the set threshold.
 - **Standard Protocols Library** – Bruce, Modified Bruce, Ramp & Custom Interval tests built-in.
 - **100 User Programs** – therapist-defined, multi-segment speed & incline profiles.
 - **Live Graphs** – real-time Speed, Incline and Pulse display with event markers.
 - **Manual / Workout / Target / Protocol Modes** – switch seamlessly during therapy.
 - **Auto Data Logging** – every therapy session automatically saved with duration, distance, speed, incline and pulse trend.
 - **Integrated Patient Database** – search, edit and review complete session history for each patient.
 - **Trend Graphs & Reports** – compare sessions, export summaries or print handouts directly.
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Clinical Benefits

- Streamlines therapist workflow with instant patient lookup and one-tap start.
- Enables consistent protocol-based therapy and performance comparison.
- Provides objective documentation for patient progress and reports.
- Improves engagement and safety through real-time feedback & auto-stop.

Technical Highlights

Feature	Specification
Display	23" or bigger display in front in addition to 7 inch touch screen
Modes	Manual / Workout / Target / Protocol
Protocol Storage	100 User Programs + Standard Protocols
Patient Database	Local database with auto session logging & review
Graph Display	Speed / Incline / Pulse real-time visualization
Connectivity	PC / Research Interface via Track master Protocol
Safety Features	Auto Stop on Pulse, Emergency Switch, Visual Alerts



Optional Add-Ons

- WalkLite™ Un-Weighing System integration
- Height-adjustable parallel bars / extended handrails
- External HR monitor support
- Thermal report printer for session summaries



OCEANIC FITNESS PVT LTD

WHY GYM/FITNESS TREADMILL IS NOT ACCEPTABLE IN REHABILITATION CENTRES

FITNESS TREADMILL vs REHABILITATION TREADMILL

Parameter	Fitness Treadmill	Rehabilitation Treadmill
Purpose	Fitness, cardio, weight loss	Medical rehabilitation & gait recovery
Target Users	Healthy individuals	Patients with mobility impairment
Design Focus	Speed & performance	Safety, precision & recovery
Starting Speed	1–2 km/hr	Ultra-low: 0.1–0.3 km/hr
Low-Speed Control	Limited accuracy	Highly stable & precise
Speed Transitions	Standard	Very smooth, micro-incremental
Maximum Speed	High (16–22 km/hr)	Moderate, therapy-oriented
Incline Use	Workout intensity	Therapeutic load progression
Reverse Walking	Not standard	Supported for neuro rehab
Walking Belt	Standard size	Longer & wider for safety
Deck Type	Fitness grade	Shock-absorbing rehab grade
Entry Height / Access	Normal step-up	Low entry with step/ramp support
Handrails	Minimal / front only	Heavy-duty rails on all sides
Side Safety Platforms	Limited	Wide side platforms
Emergency Stops	Single user stop	Multiple stops (patient + therapist)
Fall Protection	Not designed	Designed to prevent/manage falls
Body Weight Support	✗ Not compatible	☑ Compatible
Unweighing System	✗	☑
Gait Analysis Support	✗	☑
Sensor Integration	✗	☑ (load cells, HR, IMU, etc.)
Heart-Rate Protocols	Basic fitness HR	Clinical HR-limited protocols
Therapist Control	Not required	Dedicated therapist interface
Protocol Customization	✗	☑
Session Duration	Short/moderate	Long, repetitive clinical use
Duty Cycle	Intermittent	Continuous medical duty
Motor Control	Fitness open-loop	Closed-loop, high torque at low speed
Noise & Vibration	Noticeable at low speed	Very low
Asymmetric Gait Handling	Not designed	Designed for asymmetric gait
Clinical Applications	✗	☑ Ortho, Neuro, Cardiac, Geriatric

Parameter	Fitness Treadmill	Rehabilitation Treadmill
Elderly / Post-Surgery Use	Not suitable	Fully suitable
Data Logging	Basic workout data	Clinical session data
Fail-Safe & Redundancy	Basic	Medical-grade multi-layer safety
Power Failure Response	Abrupt stop possible	Controlled safe stop
Regulatory Category	Consumer fitness equipment	Medical rehabilitation equipment
Typical Installation	Gym / Home	Hospital / Rehab / Sports clinic
Tender Acceptance	Often rejected	Specifically required
Overall Role	Improves fitness	Restores safe walking ability

A REHABILITATION TREADMILL IS A MEDICAL DEVICE ENGINEERED FOR CONTROLLED, ASSISTED, AND CLINICALLY SUPERVISED RECOVERY WHEREAS A FITNESS TREADMILL IS A CONSUMER WELLNESS PRODUCT



OCEANIC REHAB 403Advanced – Rehabilitation Treadmill