



Rehabilitation Treadmil

REHAB 403 from OCEANIC FITNESS.

Oceanic Rehab 403 is manufactured by one of the leading fitness and medical and Rehab products manufacturers in India. Oceanic WalkLite is manufactured by Technical know how from CSIO-CSIR Lab, Chandigarh. Further, it is backed by one of the most comprehensive warranties in the industry. Through our dealers, distributors and manufacturer's representatives, we will do all we can to provide many years of successful and prosperous ownership. Your warranty and service needs will be addressed collaboratively through your regional sales representative and our highly trained service technicians.

The responsibility of that collaborative team is to provide you with both the technical knowledge and access to service personnel to make your ownership experience more informed, and resolution of any difficulties easier to remedy.

Two components of the OCEANIC FITNESS PVT LTD mission statement are "enhancing patient outcomes and improving effectiveness in the delivery of services". This is just one of the many products that will assist you in providing that care to your patients and/or clients.

Please take a moment at this time to record the name of the dealer, distributor, or manufacturer's representative, their telephone number, and the date of purchase below to make any future, needed contact easy. We appreciate your support and we will always remember that you are the reason that we are in business.

REHAB 403 – Rehabilitation Treadmill



- Easy access to all program modes; quick start, manual, preset, plateau, and interval profiles; custom facility, and gait symmetry programs.
- Set-up mode button allows for easy access to quick patient data entry, program and treadmill function entries.
- Intuitive interface for ease of operation.
- Large, easy-to-read displays.
- Window PC with software (Add on Optional not included in price)

Note : - Optional / Add on Features will be charged extra they are not part of the product

OCEANIC TREADMILL FEATURES

1. It has Zero starting speed.
2. It's Speed increment is as small as 0.1 km/hr
3. Treadmill belt is locked at Stop position and so will not move at all even during shifting heavy patients from wheel chair during unweighing therapy onto the treadmill.
4. Acceleration can be adjusted as per therapy requirements.
5. They are equipped with reverse speed for backward walking.
6. Treadmill has option of both Decline and Incline.
7. Console is fully compatible and integral with Oceanic unweighing System
8. Low step up height.
9. Therapist can stand on machine at start position. Treadmill can take the weight of patient and therapist even at low speed.
10. Treadmill is designed for the therapist to stand along with the patient at Start position and henceforth can take weight of both patient and Therapist even at very low speed.

SPECIFICATIONS

- **Set-Up Dimensions**
 - : Length : 88"
 - Width : 34"
 - Height : 58"
- **Motor** : Model Rehab 403- 4 HP Motor
- **Elevation** : rated for 550 kg Thrust
- **Running Surface** : 63" x 23"
- **Roller Size** : 114 mm diameter balanced
- **Display** : LCD Touch Screen Display to readout average walking speed over time total exercise time , total distance and steps taken, average step length, step length, step length variability, time on each foot.
- **Product Weight** : 230 Kg
- **Patient Weight Capacity** : 220Kg
(Therapist can also stand on the machine)
- **Power** : 220 Volts A.C., 20 Amps, 50 Hz.
- **Speed** : Fwd: 0.1 to 12 km/hr
with 0.1 Km/hr increment
Reverse: 0.01 to 5 kph
- **Acceleration** : Adjustable acceleration
- **Incline** : -3% DECLINE to 16 % INCLINE

GAIT TRAINER TREADMILL

- Multiple Programs modes: - heart Rate; manual; preset programs: plateau and interval: custom facility program: (pulse,speed & calories).
- Bidirectional belt speed forward from 0.1 to 12 Km/hr in 0.1 kph increments and reverse from 0.1 to 5.0 Km/h in 0.1km/hr increments for reverse walking.
- Adjustable full-length handrails that safely accommodate a wide variety of patient populations, handrail height 25 to 35 inches and handrail width 20 to 31 inches.
- Multiple display modes: symmetry; cadence; Stride length ; Steps; Pace ; all Standard biofeedback displays.

ADVANTAGES AND CLINICAL APPLICATIONS

ORTHOPEDIC, SPORTS MEDICINE AND ATHLETIC TRAINING exercise use uphill or downhill walking and jogging to emphasize specific muscle groups or motions. Use retro-walking to promote the use of reciprocal muscle groups not normally exercised during forward walking alone.

CARDIOPULMONARY EXERCISE monitoring heart rate by telemetry or contact heart rate in handgrips. Belt speeds as low as 0.1 km/hr to accommodate even the most reconditioned patient.

OLDER ADULT PATIENTS can simulate uphill and downhill walking. Retro-walk to reduce flexion contractures with total knee and total hip replacements. Retro-walk is also great for promoting dorsiflexion. (Using the dual height geriatric/pediatric handrails.)

PEDIATRIC PATIENTS benefit from small and precise speed increments and adjustable handrails that make this treadmill ideal for use with children too.

Compliant with safety standards

- **ISO CERTIFIED 9001-2015**
- **CE(COMPLIANCE EUROPE) CERTIFIED FOR SAFETY AND DIRECTIVE MEASURES**
- **EN 957-1:2005**

REHAB 403 Electronic Console



Power on

When initially powered on the console will perform an internal self-test. During this time all the lights will turn on for a short time. The message window will display a software version (i.e. VER 1.0) and the distance window will display an odometer reading indicating how many virtual miles (or Kilometers) the treadmill has gone. The time window displays how many hours the treadmill has been used.

The odometer will remain displayed for only a few seconds then the console will go to the start up display, also known as Idle Mode. The dot matrix display will be scrolling through the different program profiles and the message window will be scrolling the start up message. You may now Begin to use the REHAB 403.

The console will automatically power down after 20 minutes of inactivity. Press any key to wake the console up again. To disable this function so console always remains powered . Always turn off the main power switch when the REHAB 403 is not in use.

Console Operation:

1. Set Up

The Set Up key function will allow you to enter patient data and customize the settings of the REHAB 403. When the Set Up key is pressed the first option in the menu appears. Use the up/down arrows to scroll through the menu and press the enter key to select an option.

2. Quick Start

This is the quickest way to start an exercise session. After the console powers up you just press the Start key to begin; this will initiate the Quick Start mode. In Quick Start the speed will be set to zero until the user adjusts the speed. Time will count up from zero, all workout data will start to accrue and the speed and incline may be adjusted manually by pressing the Up or Down key. The dot matrix will display a speed level. As you increase the speed more rows will light indicating a harder workout.

The dot matrix has 24 columns of lights and each column represents 1 minute in the Quick Start program (time per column can be modified in other programs). At the end of the 24th column (or 24 minutes of work) the display will wrap around and restart at the first column again.

3. Basic information

The **Dot Matrix Display** is used for displaying graphic feedback and has three basic displays for most programs. When you begin a program the dot matrix will display a speed profile. To the left of the dot matrix there is a key labeled Display. Pressing this key will switch the display to show an incline grade and then a track. When the LEDs are blinking the graph will scan through the three displays.

The four **Data Windows** display:

- **Time:** Program time remaining, or elapsed time in quick start mode.
- **Incline Grade:** incline range 0 to 16 %. Incline range 0 to minus 3 %
- **Distance:** Displayed in miles or kilometers, selected in engineering mode.
- **Speed:** Displayed in kph. Range from 0 to 12 km/hr in 0.1 increments. True zero speed provided by a mechanical brake whenever motor is idle.

The **Message Window** is the main display for programming instructions and relevant measurements during a program. The measurement data shown varies depending on the program. Measurements include:

- **Pulse:** Heart rate monitor displayed in beats per minute, from 0 to 240 bpm.
 - **Calories:** Or kilocalorie (kcal), nutritional Calories burned during exercise.
 - **Pace:** Displayed as minutes per mile (or kilometer).
 - **Step Cadence:** Steps per minute average.
 - **Step Length:** Heel strike to heel strike step length in inches or centimeters.
 - **Symmetry:** The percentage of difference between the left and right step length.
- To the left of the message window is a Display key that allows you to switch the data shown.

SYMMETRY

The Symmetry program provides basic gait information and a feedback graph. The program will measure the left and right step length and calculates the symmetry index. The message window will display the user's Cadence, Left and Right step length in inches (or centimeters) and Symmetry index. The Dot Matrix display will show a graph indicating step symmetry so the user has a visual feedback to aid in improving their gait. If the user has a longer step length with their left leg the graph will increase in size on the left of the dot matrix as shown below.

When the program ends, either by the set time reaching zero or pressing stop twice at any time during the program, a summary is shown in the message window. The summary gives the average cadence, step lengths and average symmetry for the amount of time the user walked.

Press the Symmetry key then press the **Enter** key.

The message window will prompt you to enter the **Time** for the program. You may enter the time using the Up and Down keys or the numeric key pad then press the Enter key to accept and proceed to the next screen.

Now you are finished editing the settings and can begin by pressing the Start key. All data calculations will use the patient information from the Set Up function (Set Up key at top left of console).

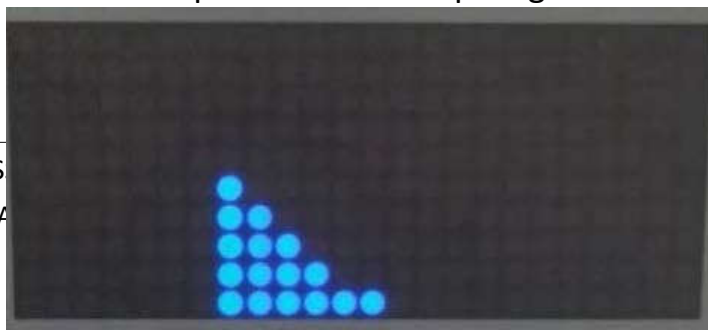
During the program you will be able to scroll through the data in the message window by pressing the

Display key.

When the program ends you may press Start to begin the same program again or Stop to exit the program, or you can save the program you just completed as the **Facility** program by pressing the Facility key and following the instructions in the message window.

Biofeedback Graph:

Below is a sample picture showing the symmetry graph. In the message window there is an average step cadence, left and right step length and symmetry measurements. In the example below the step length numbers shown indicate that



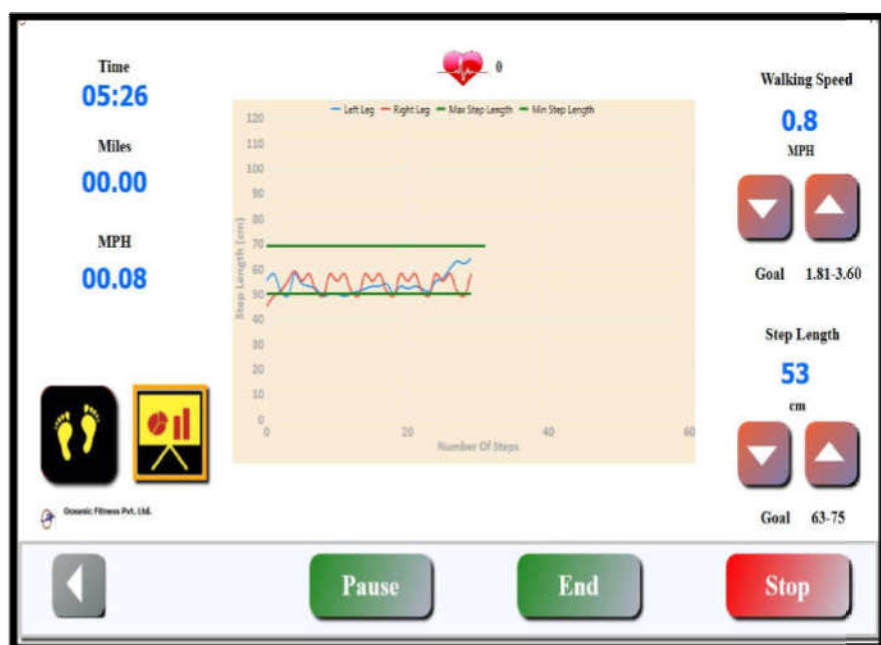
the left leg is stepping longer than the right leg, 26 vs. 15 inches. The graph reflects the longer stride of the left leg. If the step length was even only two dots would be lit on the bottom center of the graphic screen.

GAIT TRAINER WITH REHABILITATION SOFTWARE

Description

Latest Oceanic Rehabilitation software (latest version) . All treadmill parameters, gait analysis available on PC screen Biofeedback graph

LT. RT. Graphical display available on larger screen.





Features:-

- Real-time biofeedback and sophisticated analytics.
- Using the Gait Trainer's intuitive interface, belt speed can easily be adjusted to match the patient's steps per minute (spm).
- Biofeedback quantifiably displays step length, step speed (spm) and step symmetry to encourage patient progress.
- While the repetition of gait training encourages lasting effects throughneuro plasticity
- Oceanic Gait Trainer is the treadmill monitors and records step length, step speed and right-to-left time distribution (step symmetry).
- Open Platform – enables patient access for therapist manipulations and accommodates with the Oceanic Unweighing System.
- Objective Documentation – Exercise Summary and Progress Reports track progress and document outcomes Show need, progress and outcome for specific gait parameters, including:

– Average walking speed over time

- Total exercise time
- Total distance and steps taken
- Average step length: RT vs. LT
- Step length variability: RT vs. LT
- Time on each foot: RT vs. LT