V-G.5100L240606

Technical Specifications

General	
Interface	8"touch screen
Dimensions	691(W)x1192(L)x1135(H)mm
Standard Weight	Approx 84kg
Safe Working Load	
Pedal(total)	10kg
Handlebar	20kg
Adjustable Range	
Height of the vertical arm (electric operation)	0-160mm
Length of the transverse arm (electric operation)	0-160mm
Handlebar	180°
Display (max)	270°-360°
Rotation Radius	
Pedal	100mm
Rotate Speed	5-60r/min(steps of 1r/min)
Resistance Level	0-24
Spasm Level	1-10 or OFF
Max Motor Torque	Less than 9.5Nm(Passive Mode)
Spasm Relief Rate	1-5
Timer	1-120min(steps of 1 min)

Longest PHYSIO & REHAB DEVICES

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RehaMoto LGT-5100L

Active Passive Trainer For Early Bedside Training

Health Life Longest Care

Longest

RehaMoto LGT-5100L

Active Passive Trainer For Early Bedside Training

Thanks to biomechanical monitoring and feedback system with an intelligent central processing unit, the RehaMoto can detect the status of patients in real time, smoothly converting between different training modes. With a high performance servo motor inside, patients can accept lots of training sessions, including active, passive,assistive, resistance, symmetry and isokinetic training. RehaMotor can fully realize the best clinical training effect and promote the recovery of motor function of patients.

⊕ Treatment Principle

Kinesiotherapy

Kinesiotherapy refers to the therapy with the action and reaction forces as the main factors, based on kinematics, biomechanics, and motor development, with the targeted improvement of physical, physiological, psychological, and spiritual dysfunction.

LGT-5100L has become the preferred product of kinesiotherapy because of its excellent product characteristics.

⊕ Features

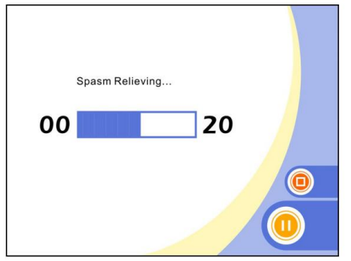
Multipurpose	Smooth	Safe	Easy Operation
LGT-5100L can be applied to patients for the training of muscle strength, cardio, pulmonary function and mobilization.	With intelligent detection, LGT-5100L can smoothly switch between different modes.	All-round safety settings ensures training without worry.	User-friendly design for easy and quick start training.

⊕ Training Mode

Passive Mode	Assistive Mode	Active Mode	Isokinetic Mode
The passive training is suitable for the early rehabilitation of patients without any muscle contraction.	The assistive mode realizes muscle strength training by mechanical power for patients with inadequate myodynamia.	The active mode can train the muscle strength and endurance by adjusting the resistance according to the myodynamia of patients.	Better known as constant speed training, the isokinetic training always keep balance between the resistance and the muscle strength, to enhance coordination and tap rehabilitation potential of patients.

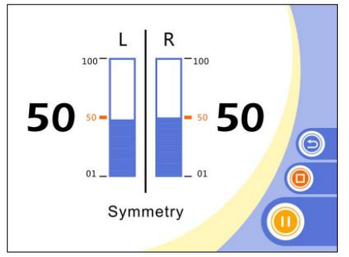
Spasm Detection >

Intelligent spasm recognition and relief system.



Symmetry Training >

Visualized training of bilateral muscle strength, to guide the balance of myodynamia and enhance the coordination.



Game Training >

Funny game training provides enjoyment and improves the initiative of patients.

Real-time Data >

Data such as speed and resistance are displayed and can be adjusted in real time.

Instant Feedback >

Digitized training results are generated once the training is finished, to better record the rehabilitation progress.

RehaMoto LGT-5100L

Active Passive Trainer For Early Bedside Training

⊕ Absolute Security – LGT–5100L has passed various official safety tests

- GB9706.1–2007 Criteria
- YY0605–2012 EMC
- 4000V Dielectric Strength Test
- 110% Patient Leakage Current Test

⊕ Bedside movement is an important means of early intervention in rehabilitation

Early Bedside Rehabilitation is one of the basic principles of rehabilitation. Standardized bedside treatment will effectively reduce dysfunction and the occurrence of lifelong disability, therefore reducing the burden on families and society.

⊕ Bedside movement can effectively prevent the complications

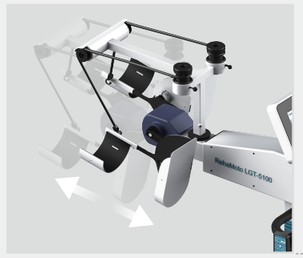
Long–term bedridden patients are prone to get a series of complications such as bedsores, deep vein thrombosis of lower limbs, osteoporosis, cardiopulmonary dysfunction, muscle atrophy, joint contracture, postural hypotension, respiratory and urinary system infection. Bedside rehabilitation is an effective method to prevent a series of complications in bed.

High Protection

All-sided safety settings, train without worry

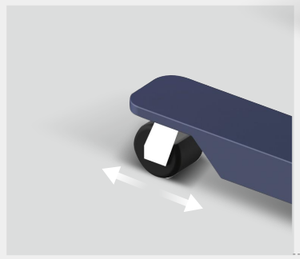
Freely Adjustable

Electric knee bending adjustment, easy to operate



Movable

Dual track mute castors, freely move to anywhere

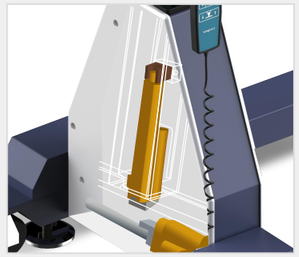


Touch Control

8" full color screen, multidirectional adjustable

Hand Controller

Easy to achieve all the adjustment needs



Servo Motor

High performance servo motor ensures the smooth operation of the device

Stable Support

Lockable electric chassis, no any moving during the training