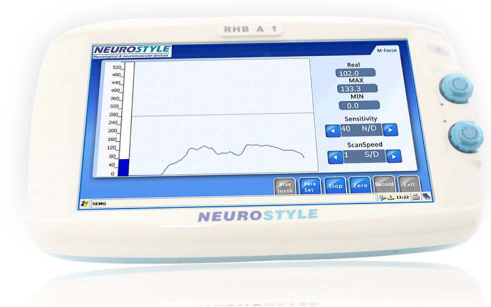
Products

Neuro Rehabilitation Portable Device

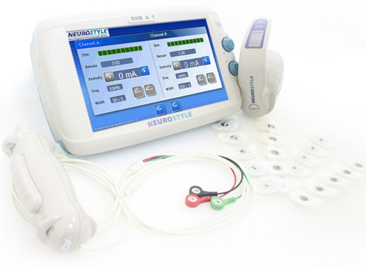

RHB A 1
NEUROSTYLE
M-Force
Real
102.0
MAX
133.3
MIN
0.0
Sensitivity
40 N/D
ScanSpeed
1 S/D
Blue tooth
Para Set
Stop
Zero
Record
Exit
SEMG
13:22
NEUROSTYLE

Neuro Rehabilitation Portable Device

Neuro Rehabilitation device including accessment, game play and training, stimulations. This system consists of electric stimulation and SEMG, and is mainly used for muscles and nerve training.

There are 4 modules in this device:

- Contraction: Consists of SEMG Evaluation and Muscle Training test modules.
- Force Measurement: Consists of Force Evaluation/assessment module.
- Grab Release: Consists of Pinch Evaluation, Grab and Release Evaluation and Grab and Release Training modules.
- Stimulation: Consists of TENS, Pre-scripting Stimulation, Free Stimulation, and Feedback Stimulation modules.


RHB A 1
NEUROSTYLE
Channel A
Channel B
0 mA
0 mA
NEUROSTYLE

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Technical Specifications

Dimensions

Size	172 x 30 x 52mm
Weight	0.505kg (without batteries)
Display	9-inch colored touch-screen LCD

Power Supply

Power	DC 12V/1.5A

Performance

Stimulation Frequency	1 – 120 Hz
Stimulation Intensity	up to 100mA
Stimulation Pulse Width	50 – 500μs
CMRR	≥100dB
Short Circuit Noise	≤0.5μV (RMS)

Functional Modules

1. Surface EMG Evaluation (SEMG)

2. Muscle Training

3. Force Measurement

- Force Evaluation – Upper limb push force

4. Grab and Release

- Pinch Force Evaluation
- Grab and Release Evaluation
- Grab and Release Training

NEUROSTYLE
Channel A
Channel B
0 mA
0 mA
NEUROSTYLE

5. Stimulation

- TENS – Transcutaneous Electrical Nerve Stimulation
- Prescriptive Stimulation
- Freestyle Stimulationg
- Feedback Stimulation

System Key Features

System Key Features

- Modern design with 9-inch colored LCD touch screen
- Portable with compact design integrating EMG assessment, examination and therapy
- Digitized muscle strength test and rehabilitative training system for extremities
- Centralized data management system for clinicians' ease of access to patient's information
- User-friendly system helps to increase user satisfaction and adoption

Accessories

Examination ACCESSORIES

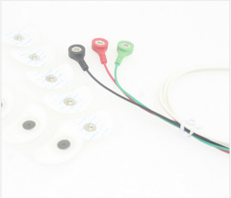
Grab & Release Sensor

- Pinch Evaluation
- Grab & Release Evaluation

Dynamometer

- Force Measurement

Surface Electromyogram



- SEMG Evaluation
- Muscle Contraction Evaluation

Product Description

NS-RHB-A1 is a limb functional rehabilitative assessment and training system which serves as a multi-functional pack for medical professionals to conduct rehabilitative assessment and training anytime, anywhere.

The great variety of evaluation functions, comprehensive training modules enable clinicians to perform simple yet engaging rehabilitation therapy for patients in medical institutions, families and communities

RHB A 1
NEUROSTYLE
NEUROSTYLE

Device Hardware Features

RHB A 1
NEUROSTYLE
NEUROSTYLE

Modern design

- 9 inch colored LCD display
- Touch screen or Press Key Operation

Portable & Compact

- Integrated EMG Assessment, Examination and Therapy

Ergonomic Accessories

- Digital measurement

Bluetooth Connectivity

- Can be connected to the PC via Bluetooth adaptor

Device System Features

Multiple Functions

- Stimulation
- Examination / Assessment
- Training

Digitized Tests

- Muscle Strength test
- Rehabilitative training for extremities

Centralized Data Management

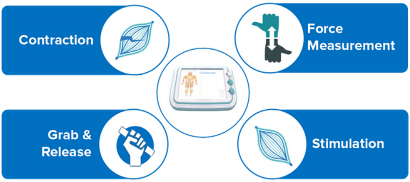
- Ease of access to patient information

User-Friendly System

- Optimized device operation

RHB A 1
NEUROSTYLE

Examination OPTIONS


Contraction
Force Measurement
Grab & Release
Stimulation

Contraction

Surface EMG (SEMG) Evaluation

Muscle Training Test Module

Force Measurement

Force Evaluation

Grab & Release

Pinch Evaluation

Grab & Release Evaluation

Grab & Release Training Module

Stimulation

Transcutaneous Electrical Nerve Stimulation **(TENS)**

Prescriptive & Freestyle Stimulation

BioFeedback Stimulation

Software Examination Protocols Features

Software INTERFACE

NEUROSTYLE
Contraction
Force Measurement
Grab Release
Stimulation

Main Interface

- Drop down Menu upon choosing

Contraction

NEUROSTYLE

1.1 Surface Electromyogram

- Main Interface

Contraction

NEUROSTYLE
Relax
Reinforce
Endurance
Skill
Guide

1.2 Muscle Feedback Training

- Main Interface

Force Measurement

NEUROSTYLE

2 Force Measurement

- Main Interface

Grab & Release

NEUROSTYLE

3.1 Pinch Evaluation

- Main Interface

Grab & Release

NEUROSTYLE

3.2 Grab & Release Evaluation

- Main Interface

Grab & Release

Stimulation

Stimulation

RHB A 1
NEUROSTYLE
Relax
Reinforce
Endurance
Skill
NEUROSTYLE

3.2 Grab & Release Training

- Main Interface

RHB A 1
NEUROSTYLE
Channel A :
Channel B :
0 mA
0 mA
NEUROSTYLE

4.1 TENS

- Main Interface

RHB A 1
NEUROSTYLE
Channel A :
Channel B :
4 mA
7 mA
NEUROSTYLE

4.2 Prescription Stimulation

- Main Interface

Stimulation

RHB A 1
NEUROSTYLE
Channel A :
Channel B :
0 mA
0 mA
NEUROSTYLE

4.3 Free Stimulation

- Main Interface

Stimulation

RHB A 1
NEUROSTYLE
NEUROSTYLE

4.4 Feedback Stimulation

- Main Interface

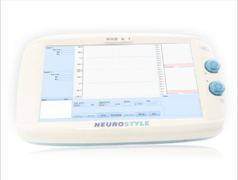
Evaluation and Training

RHB A 1
NEUROSTYLE

Muscle Selection Directory

- Front and Back Muscles

Evaluation and Training


RHB A 1
NEUROSTYLE

Evaluation

- SEMG
- Muscle Force
- Grasp and Release

Evaluation and Training

RHB A 1
NEUROSTYLE

Games for Training

- Different Games for specific types of training
- **SEMG**: 5 Training Games
- **Grasp & Release**: 4 Training Games

Clinical Applications

Low Frequency Pulse Current

PRE-SET STIMULATION PROGRAMS

STRESSED/RELAXED MUSCLES

ENHANCE MUSCLE FUNCTION AND CAPABILITY

Construction / Building

Nerve Function Neural Network

For Myogenic Diseases (Muscle Fiber)	For Neuromuscular Diseases
Paraplegia after Spinal Cord Injury	Peripheral Nerve Injury
Disuse Muscle Atrophy	Spasmodic Torticollis
Cerebral Palsy	Postural Back Muscle Pain
Flaccid Paralysis	Flaccid Paralysis

Key Summary

- Easy to Use
- Compact and Portable
- Multi-Functional
- Improve Efficiency and Task Management

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NEUROSTYLE
Neurological & Neuromuscular devices

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OPERATING HOURS

9:00-18:00 SGT

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