



Rehabilitation  
Pain Management  
Wellness

**Verity Medical Ltd.**

*Designer and Manufacturer  
of NeuroTrac devices*

All our products are manufactured in compliance with the Medical Device Directive  
MDD 93/42/EEC

Developed and Manufactured in the UK



# Contents

## EMG and ETS ( Rehab, Incontinence)

NeuroTrac MyoPlusPro	4
NeuroTrac MyoPlus2 Pro	6
NeuroTrac MyoPlus4 Pro	7
NeuroTrac Simplex	8

## TENS, TENS and Muscle Stimulation

NeuroTrac MultiTens	9
NeuroTrac Rehab	10
NeuroTrac Tens	11
NeuroTrac Obstetric	12

## Incontinence

NeuroTrac Continenace	13
NeuroTrac Pelvitone	14

## Muscle Stimulation

NeuroTrac Sports	17
NeuroTrac Sports XL	18

## Wellness

Simplex Plus	17
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## Accessories

Skin Electrodes	18
Vaginal Electrodes	18
Lead Wires	18



# MyoPlus Pro



## The Professional EMG tool

The Professional EMG tool for Biofeedback training and neuro-muscular assessment with single channel EMG (Biofeedback) combined with 1 channel of NMES (stimulation), or single channel ETS (EMG triggered stimulation) with single channel stimulation. Simple single-phase or multiphase operation: multiphase allows EMG/ETS/STIM to be combined in one programme. Multilingual LCD screen and voice prompts for Biofeedback. Manual and Automatic threshold control with EMG Biofeedback between stimulation (muscle activity and tiredness indication when using muscle stimulation).

## Pre-set and customised programmes

Pre-set programmes for Pelvic Floor and Muscular Rehabilitation, including special programmes for the treatment of incontinence, by stimulating the nervous tibialis posterior with self-adhesive electrodes.

The device also includes 4 custom clinical modes: EMG Custom, STIM Custom, ETS Custom and P+A Custom.

## Wireless (Bluetooth) connection

Up to 10 metres of wireless (Bluetooth) connection for NeuroTrac Software.

## Technical Data (also in Simple Mode)

EMG Range	0.2 - 2000 $\mu$ V RMS
Sensitivity	0.1 $\mu$ V RMS
Output current	0-90 mA (with 500 $\Omega$ load)
Waveform	Symmetrical, rectangular
Pulse Frequency	2- 100 Hz
Phase Duration	50-330 $\mu$ s

## Features



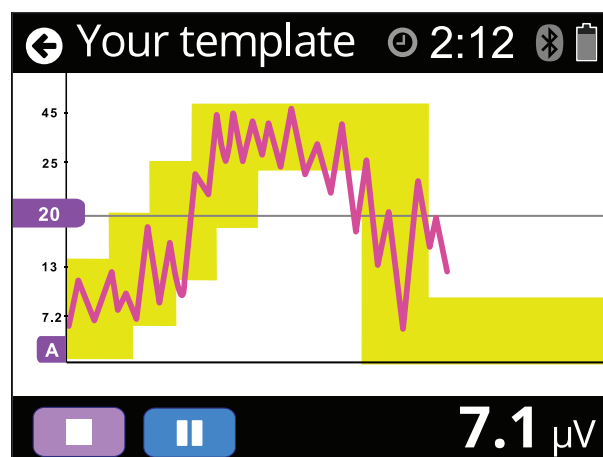
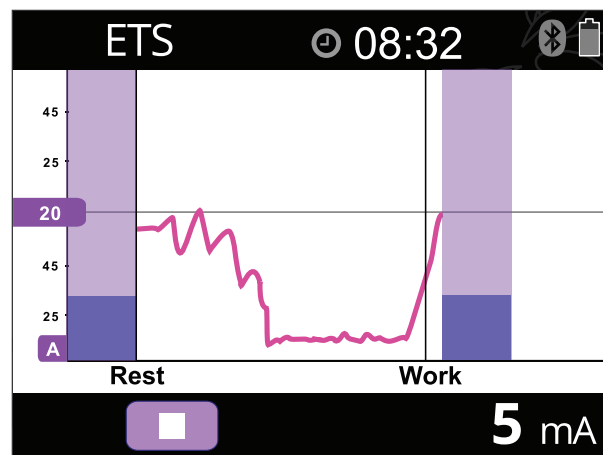
## Accessories supplied with the device

- Dual lead wire
- EMG reference wire
- Self adhesive electrodes (50 x 50 mm)
- 1.5 V AAA batteries x4
- Soft bag
- Operating Manual
- Gift Box
- Optional:
- Vaginal Probe

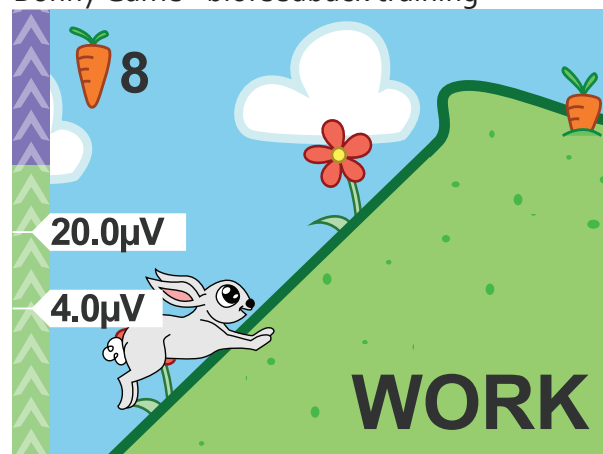
Weight	140 g
Power Supply	4 x 1.5 V AAA batteries

New

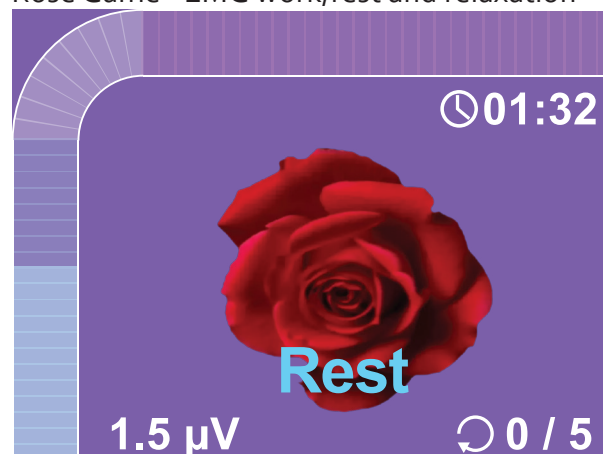
# Optional Simplified User Interface



Bunny Game - biofeedback training



Rose Game - EMG work/rest and relaxation



## Features

STIM/TENS Channels	EMG Channels	<b>6</b> Pre-Set Programs	<b>8</b> Custom Programs	Multi phase Programs
Waveform	Home Compliance	Audio Feedback	Battery Level	AAA+ Power Supply
Bluetooth	EMG Games	Templates		

## Easy to use Incontinence Device

The new user friendly touch screen based interface makes it a self-explanatory unit with interactive learning on the go, including electrode placement, running EMG graph, EMG biofeedback Games and Templates as well as many other helpful tools. Designed for the Incontinence Physiotherapist in mind to be used as a portable tool. Suitable as a personal trainer for in-clinic or home use (under guidance).

## Pre-set and customised programmes

Pre-set for Pelvic Floor including a special programme for the treatment of incontinence by stimulating the nervous tibialis posterior with self-adhesive electrodes. The device also includes 6 custom programmes. Each can be configured as simple single-phase or mutiphase programmes, which can be divided into 5 separate phases of EMG, ETS, STIM or EMG biofeedback game combined in one programme, with phases proceeded one after another. Additionally there is one single phase custom EMG programme and one single phase custom ETS programme accessible from the Home Screen.

## MyoPlus2 Pro



### The Professional EMG tool

The Professional EMG tool for Biofeedback training and neuro-muscular assessment with EMG biofeedback Games and Templates. Easy to use touch screen operation. Advanced ETS used for neuro re-education: the graph shows muscular effort and the stimulation is triggered automatically to support the effort.

### Pre-set and customised programmes

MyoPlus 2 Pro unit has 3 built-in preset clinical modes: Continance, Sports, Rehab. Each of these modes has a set of programmes with up to 5 time phases. Each phase is EMG or STIM or ETS. The device also includes 4 custom clinical modes: EMG Custom, STIM Custom, ETS Custom and P+A Custom.

### Wireless (Bluetooth) connection

Up to 10 metres of wireless (Bluetooth) connection for NeuroTrac Software.

### Technical Data

EMG Range	0.2 - 2000 $\mu$ V RMS
Sensitivity	0.1 $\mu$ V RMS
Output current	0-90 mA (with 500 $\Omega$ load)
Waveform	Symmetrical, rectangular
Pulse Frequency	2- 100 Hz
Phase Duration	50-450 $\mu$ s

### Features



### Accessories supplied with the device

- Dual lead wire x 2
- EMG reference wire
- Self adhesive electrodes (50 x 50 mm)
- 1.5 V AA batteries x 4
- Carrying Case
- Operating Manual
- Gift Box

Weight	160 g
Power Supply	4 x 1.5 V AA batteries



# MyoPlus4 Pro



## The Professional EMG tool

The Professional EMG tool for Biofeedback training and neuro-muscular assessment with EMG biofeedback Games and Templates. Easy to use touch screen operation. Advanced ETS used for neuro re-education: the graph shows muscular effort and the stimulation is triggered automatically to support the effort.

## Pre-set and customised programmes

MyoPlus 4 Pro unit has 3 built-in preset clinical modes: Continance, Sports, Rehab. Each of these modes has a set of programmes with up to 5 time phases. Each phase is EMG or STIM or ETS. The device also includes 4 custom clinical modes: EMG Custom, STIM Custom, ETS Custom and P+A Custom.

## Wireless (Bluetooth) connection

Up to 10 metres of wireless (Bluetooth) connection for NeuroTrac Software.

## Technical Data

EMG Range	0.2 - 2000 $\mu$ V RMS
Sensitivity	0.1 $\mu$ V RMS
Output current	0-90 mA (with 500 $\Omega$ load)
Waveform	Symmetrical, rectangular
Pulse Frequency	2- 100 Hz
Phase Duration	50-450 $\mu$ s

## Features

- Stim/TENS Channels
- EMG Channels
- 49 Pre-Set Programs
- 14 Custom Programs
- Multi phase Programs
- Waveform
- Home Compliance
- Audio Feedback
- Battery Level
- Power Supply
- Bluetooth
- EMG Games

## Accessories supplied with the device

- Dual lead wire x 4
- EMG reference wire
- Self adhesive electrodes (50 x 50 mm)
- 1.5 V AA batteries x4
- Carrying Case
- Operating Manual
- Gift Box

Weight	160 g
Power Supply	4 x 1.5 V AA batteries

## Simplex

### Compact and easy to use EMG tool

Simplex is a simple to operate low cost single channel EMG Biofeedback device that measures muscle activity down to as low as to  $0.2 \mu\text{V}$  [Microvolts] and up to  $2000 \mu\text{V}$ . The diverse range enables the device to measure very weak muscle activity. The device will stand upright on a flat surface, enabling the user to carry out specific exercises and at the same time view the Biofeedback, by way of bright LED lights on the front of the unit. At the end of a session, that may entail five trials of 5 seconds work and 5 seconds rest of activity, the LCD screen will automatically display the average muscle readings for the session.

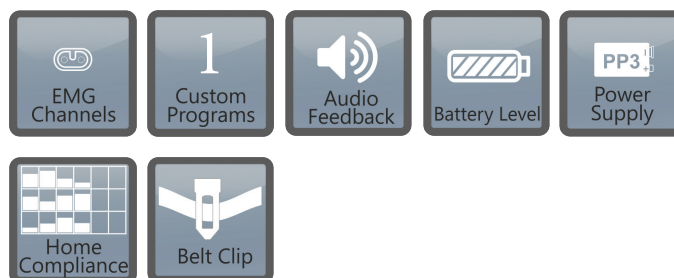
The unit can be locked for a certain period so the user cannot amend the treatment parameters, such as work/rest time and number of repetitions. When the unit is then unlocked, the number of finished sessions is displayed together with the overall average readings.

In addition, the unit can be used with the optional PC Software through fibre optic connection, which allows data to be sent to your laptop or PC.

The unit can be used as a continuous EMG visualisation tool. Power on the device and it reads the EMG continuously for as long as battery lasts (20–40 hours). In addition, the unit can be connected to the PC Software (Open Display protocol) which helps to display the graph, produce the statistical summary and store the collected data for further analysis.



### Features



### Accessories supplied with the device

- Dual lead wire x 1
- EMG reference wire
- Self adhesive electrodes (50 x 50 mm)
- 9 V PP3 battery
- Soft bag
- Operating Manual
- Gift Box

### Technical Data

EMG Range	0.2 - 2000 $\mu\text{V}$ RMS
Sensitivity	0.1 $\mu\text{V}$ RMS
Weight	150 g
Power Supply	PP3 9V battery



## MultiTENS



### Dual channel TENS and NMS device for Pain Relief and Muscles Rehabilitation

Ability to run two different TENS programmes at the same time, which allows you to run a combination of high and low frequency pain relief treatments on two areas at the same time. For example, you can use channel 1 to release pain relieving endorphins in the area of where the pain occurs. At the same time, use channel 2 for triggering the pain gate mechanism, placing your electrodes on the meridian near the vertebra. Endorphins and gate mechanism are targeted with different combinations of stimulus at the same time, this is where MultiTENS is very useful.

### Multiphase custom programmes

Up to 5 phases can be configured for each of the three custom programmes. The custom programmes feature a simple setup of one phase only or an advanced setup of up to 5 phases.

### Comprehensive Statistics

The statistics are backed up by an internal calendar system. When locked, the unit records up to 5 sessions daily for up to 60 days. An easy to use menu system allows the therapist to review the statistics to ensure that the patient is using the unit correctly.

### Technical Data

Output current	0-90 mA (with 500Ω load)	Output modes	Burst, Continuous, Modulated, Work/Rest
Waveform	Asymmetrical, rectangular	Weight	90 g
Pulse Frequency	2- 100 Hz	Power Supply	PP3 9V battery
Phase Duration	50-450 μs		

### Features



### Accessories supplied with the device

- Dual lead wire x 2
- Self adhesive electrodes (50 x 50 mm)
- 9 V PP3 battery
- Soft bag
- Operating Manual
- Gift Box

## Rehab



### Dual channel TENS and NMS device with remote switch

- 10 Preset TENS programmes,
- 10 Preset Neuromuscular Stimulation programmes.

The wired remote switch control of mA by the patient ( to speed up the neuro-muscular re-education) facilitates a range of rehabilitation protocols, including Foot Drop. Lock mode function to measure the home compliance (mA and time used).

### Features



### Accessories supplied with the device

- Dual lead wire x 2
- Self adhesive electrodes (50 x 50 mm)
- 9V PP3 battery
- Soft bag
- Operating Manual
- Gift Box

### Technical Data

Output current	0-90 mA (with 500Ω load)	Output modes	Burst, Continuous, Modulated, Work/Rest
Waveform	Asymmetrical, rectangular	Weight	90 g
Pulse Frequency	2- 100 Hz	Power Supply	PP3 9V battery
Phase Duration	50-450 μs		

# TENS



## Dual channel TENS device for Pain Relief

Basic Digital Dual channel TENS machine for Pain Relief. Simple and practical for wide range of Pain management techniques.

Modalities: High and Low frequency, Burst, Continuous and Modulated. 11 Preset programmes, 3 Customisable TENS programmes. Lock mode function to measure the home compliance (mA and time used)..

## Features



## Accessories supplied with the device

- Dual lead wire x 2
- Self adhesive electrodes (50 x 50 mm)
- 9 V PP3 battery
- Soft bag
- Operating Manual
- Gift Box

## Technical Data

Output current	0-80 mA (with 500Ω load)
Waveform	Asymmetrical, rectangular
Pulse Frequency	2- 200 Hz
Phase Duration	50-300 μs

Output modes	Burst, Continuous, Modulated
Weight	90 g
Power Supply	PP3 9V battery

## Obstetric



### Dual channel TENS Pain Relief in Labour

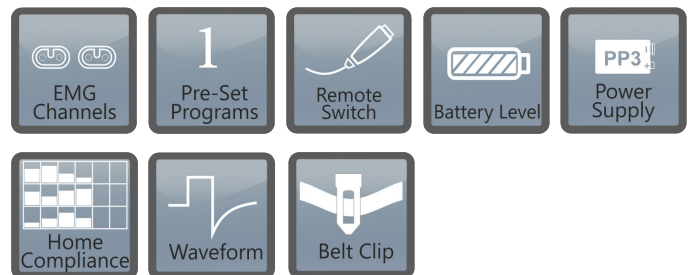
Dual channel, simple and non-invasive method to decrease pelvic pain when in labour.

Use the remote switch button to trigger Boost and Burst modes.

**BOOST** - High frequency programme to trigger pain gate mechanism, to be used during labour contractions.

**BURST** - Use inbetween labour contractions.

### Features



### Accessories supplied with the device

- Dual lead wire x 2
- Self adhesive electrodes (50 x 50 mm)
- 9V PP3 battery
- Soft bag
- Operating Manual
- Gift Box

### Technical Data

Output current	0-80 mA (with 500Ω load)
Waveform	Asymmetrical, rectangular
Pulse Frequency	90 Hz
Phase Duration	220 μs

Output modes	Continuos (Boost), Burst
Weight	90 g
Power Supply	PP3 9V battery

# PelviTone



## Dual channel NMES device for Incontinence

Electrical stimulation provided by PelviTone is used to treat urinary incontinence by sending a mild electric current to nerves in the lower back, tibialis nerve or in most of the cases, to the pelvic muscles using a probe. You may be able to provide electrical stimulation therapy at home using a unit with a vaginal or anal electrode probe. Timing and duration of therapy varies.

Advanced multi-phase programmes where treatment is split into time phases with different stimulation parameters;  
 Stronger symmetrical stimulation with the reduced Pulse Width : 50 – 330  $\mu$ S.  
 Three Custom programmes plus 11 Preset Continence programmes.  
 Lock mode function to measure the home compliance (mA and time used).

## Features

- STIM/TENS Channels
- 11 Pre-Set Programs
- 3 Custom Programs
- Battery Level
- PP3 Power Supply
- Home Compliance
- Waveform
- Belt Clip

## Accessories supplied with the device

- Dual lead wire x 2
- 9V PP3 battery
- Soft bag
- Operating Manual
- Gift Box
- Optional:
- Vaginal Probe

## Technical Data

Output current	0-90 mA (with 500 $\Omega$ load)	Output modes	Continuos, Work/Rest
Waveform	Symmetrical, rectangular	Weight	130 g
Pulse Frequency	2- 100 Hz	Power Supply	PP3 9V battery
Phase Duration	50-330 $\mu$ s		

# Continenence



## Dual channel NMES device for Incontinence

Basic Pelvic Toner to promote Continenence. 3 Custom programmes plus 9 Preset programmes.

Pelvic Floor programmes:

- Pelvic Floor pain relief
- Urge, Stress, Frequency Incontinence
- Lack of Sensitivity
- Pelvic Floor Work Out
- Endurance

Lock mode function to measure the home compliance (mA and time used).

## Features

## Accessories supplied with the device

- Dual lead wire x 2
- 9V PP3 battery
- Soft bag
- Operating Manual
- Gift Box
- Optional:
- Vaginal Probe

## Technical Data

Output current	0-90 mA (with 500Ω load)	Output modes	Continuos, Work/Rest
Waveform	Asymmetrical, rectangular	Power Supply	PP3 9V battery
Pulse Frequency	2- 100 Hz		
Phase Duration	50-450 μs		
Weight	90 g		



# Sports



### Dual channel NMES device for Incontinence

Basic stimulator for Aerobic and Anaerobic muscle training.

- 3 Customisable programmes plus 15 Preset Stimulation Programmes for:
  - Warm up, Capillary, Toning
  - Endurance,
  - Calming the muscle.
  - Resistance force output treatment for activities which require prolonged and high activity muscle force: Cycling, Rowing, middle distance Running etc.
  - Maximum force output treatment to produce maximum muscle force output and muscle bulk: weight lifting, judo, ball games, sprint running etc.

Lock mode function to measure the home compliance (mA and time used).

### Features

- STIM/TENS Channels
- 15 Pre-Set Programs
- 3 Custom Programs
- Battery Level
- PP3 Power Supply
- Home Compliance
- Waveform
- Belt Clip

### Accessories supplied with the device

- Dual lead wire x 2
- self adhesive electrodes (50 x 50 mm)
- 9 V PP3 battery
- Soft bag
- Operating Manual
- Gift Box

### Technical Data

Output current	0-90 mA (with 500Ω load)	Output modes	Continuos, Modulated, Work/Rest
Waveform	Symmetrical, rectangular	Weight	90 g
Pulse Frequency	2- 100 Hz	Power Supply	PP3 9V battery
Phase Duration	50-450 μs		

# Sports XL



## Dual channel NMES

Extra versatile stimulator has all the features of NeuroTrac® Sports device, plus:

- Stronger symmetrical stimulation, with the reduced Pulse Width: 50 – 330 S.
- 4 output sockets. Output Intensity [mA] controlled with A and B buttons. A-buttons control 2 sockets on the left, B-buttons control 2 sockets on the right.
- 21 Preset Sports's programmes and 3 Customisable programmes.
- Advanced multi-phase programmes where treatment is split into time phases with different stimulation parameters.

## Features

- STIM/TENS Channels
- 21 Pre-Set Programs
- 3 Custom Programs
- Battery Level
- Power Supply
- Home Compliance
- Waveform
- Belt Clip

## Accessories supplied with the device

- Dual lead wire x 4
- self adhesive electrodes (50 x 50 mm)
- 9 V PP3 battery
- Soft bag
- Operating Manual
- Gift Box

## Technical Data

Output current	0-90 mA (with 500Ω load)	Output modes	Continuos, Modulated-Work/Rest,
Waveform	Symmetrical, rectangular	Power Supply	PP3 9V battery
Pulse Frequency	2- 100 Hz		
Phase Duration	50-330 μs		
Weight	130 g		

# Simplex Plus

New

Compact and easy to use EMG tool



Simplex is an easy to operate, low cost, single channel EMG Biofeedback device that measures muscle activity down to as low as to 0.2  $\mu\text{V}$  [Microvolts] and up to 2000  $\mu\text{V}$ . The diverse range enables the device to measure very weak muscle activity. The device will stand upright on a flat surface enabling the user to carry out specific exercises and at the same time view the Biofeedback, by way of bright LED lights on the front of the unit. At the end of a session, that may entail five trials of 5 seconds work and 5 seconds rest of activity, the LCD screen will automatically display the average muscle readings for the session. The unit can be locked for a certain period so the user cannot amend the treatment parameters, such as work/rest time and number of repetitions. When the unit is then unlocked, the number of finished sessions is displayed together with the overall average readings.

In addition, the unit can be used with the optional PC Software through fibre optic connection, which allows data to be sent to your laptop or PC. The unit can be used as a continuous EMG visualisation tool. Power on the device and it reads the EMG continuously for as long as the battery lasts (20-40 hours). In addition, the unit can be connected to the PC Software (Open Display protocol) which helps to display the graph, produce the statistical summary and store the collected data for further analysis.

## Features



## Accessories supplied with the device

- Dual lead wire x 1
- EMG reference wire
- Self adhesive electrodes (50 x 50 mm)
- 9 V PP3 battery
- Soft bag
- Operating Manual
- Gift Box

## Technical Data

EMG Range	0.2 - 2000 $\mu\text{V}$ RMS
Sensitivity	0.1 $\mu\text{V}$ RMS
Weight	150 g
Power Supply	PP3 9V battery

Self Adhesive Electrodes

Code	Size	Quantity
VS5050	50x50 mm	4 pieces
VS50	50mm dia-round	4 pieces
VS10050	100x50 mm	4 pieces
VS4040	40x40 mm	4 pieces
VS9050	90x50 mm	4 pieces



Dual conductor lead wire for TENS, NMS (STIM), EMG Biofeedback

Re-order code: LW103  
 cable length: 1.25 m



lead wire - Reference EMG

Re-order code: LW102  
 cable length: 1.00 m



Technical Data for the above lead wires

Inner wire	Copper	Pin Size	2.0 mm
Outer Jacketing	TPU		

# Notes



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