

# Trio \* Stim™

## Specifications

**Output channel:** 2 channels, independently controlled

**Pulse Shape:** Symmetric, biphasic rectangular pulse.

### (1) TENS & EMS

(200 Ω - 1 kΩ load)

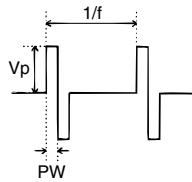
f: pulse frequency

PW: pulse width

Vp: output voltage

Ip: output current

\*Ip: vp/ 500 Ω



### (2) Microcurrent

[f+]=[f-]=f (pulse frequency)

[PW+]=[PW-]=PW (pulse width)

(5000 - 50 kΩ load)

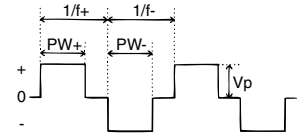
f= pulse frequency

PW: pulse width

Vp: output voltage

Ip: output current

\*Ip: vp/ 50 kΩ



**Output current:** Constant current, peak value display

Max. 80 mA at 500 Ω load . . . TENS, EMS

Max. 750 μA at 50 kΩ load . . . Microcurrent

### At maximum output setting

	Maximum charge per pulse	Maximum average current
TENS	20 μCoulomb	4 mA
EMS	24 μCoulomb	2.4 mA
MCS	187 μCoulomb	0.3 mA

### Pulse width:

50-250 μs . . . TNS

100-300 μs . . . Muscle Stimulation

1-250 ms . . . Microcurrent

### Pulse rate:

1-200 Hz . . . TNS Pulse rate and width can be set independently on each channel in Constant mode.

25-100 Hz . . . Muscle Stimulation

0.3-400 Hz . . . Microcurrent

### Output mode:

(1) TNS: Constant, Burst, Modulation, Dual Frequency.

(2) Muscle Stimulation:

Hold time: 0.5-30 sec.

Rest time: 1-60 sec.

Ramp Up/Down time: 0.6 sec.

(3) Microcurrent Constant only

(4) Program: up to 5 programs

### Programming capability:

Number of programs . . . 5


Steps per program . . . . 10

**Timer:** 30-minute digital timer, with accuracy of +/-2%

**Display:** LCD (46 mm x 37 mm)

**Other functions:** Memory of the previous setting parameters and mode, keyboard lock, automatic power off, low battery power detection, abnormal pulse output detection and electronics self-test.

**Power source:** Dual power source with DC 9 V battery or AC (AC adapter optional)

**Classification:** Class II / internally powered equipment, TYPE BF 

**Conformity:** CE Marking

**UL listed:** E203404

**Size:** 113 mm (H) X 2.7 in (W) X 25 mm (D), (4.4 in (H) X 2.7 in (W) X 1.0 in (D))

**Weight:** 185 gr. (6.5 oz). Including a battery

### Environment for transport and storage:

**Temperature:** -10°C - 60°C (14°F - 140°F)

**Humidity:** 30% - 80%

*Specifications and designs are subject to change without prior notice. 215\_specs\_RevB\_07/7/14*