

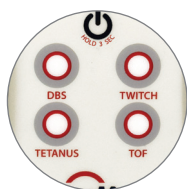
# SUNSTIM™ PRO PERIPHERAL NERVE STIMULATOR

## TECHNICAL + FUNCTIONALITY SUMMARY | 8-1053-63

The SunStim™ Pro Peripheral Nerve Stimulator delivers reliable, adjustable current in one-second twitch pulses. Features built-in train of four with four pulses per two seconds. This deluxe nerve stimulator is ergonomically designed with a digital screen for quick visual assessment of functionality.

| SPECIFICATION             | SunStim™ Pro   8-1053-63  |
|---------------------------|---|
| Membrane Touch Switches   | Double Burst (DBS)<br>Twitch<br>Tetanus<br>Train-of-Four (TOF)  |
| Pulse Characteristics     | Pulse Width: 200 Microseconds<br>Pulse Type: Square Wave Monophasic   |
| Tetanus                   | 50 Hz or 100 Hz   |
| Double Burst Pulses (DBS) | Two (2) 60 ms bursts of 50 Hz separated by 0.75 secs (750 milliseconds)   |
| Output Current            | Adjustable 0-70mA   |
| Display                   | Pulse LED: Flash yellow when pulse is generated<br>Battery LED: Steady green, when the unit is turned ON                              |
| Battery Power             | One 9V alkaline battery<br>Battery symbol on LCD screen and green battery light will flash simultaneously when battery voltage is low |
| Power Supply              | Internally powered ME equipment   |
| Power Consumption         | Approximately 13.0 mA   |
| Protection Grade          | IP20  |
| Operation Mode            | Continuous Operation  |
| Size                      | 4.53" x 2.46" x 1.02" (115 mm x 62.5 mm x 26 mm)  |
| Weight (With Battery)     | 0.25 lb   |
| + / - (Switch)            | Controls the current  |

| SETTING | VOLTAGE (V) |
|---------|-------------|
| 0       | 0 V         |
| 1       | 22 V        |
| 2       | 30 V        |
| 3       | 43 V        |
| 4       | 56 V        |
| 5       | 69 V        |
| 6       | 81 V        |
| 7       | 93 V        |
| 8       | 110 V       |
| 9       | 124 V       |
| 10      | 138 V       |



| SETTING | CURRENT (mA) |
|---------|--------------|
| 0       | 0 mA         |
| 1       | 11 mA        |
| 2       | 15 mA        |
| 3       | 22 mA        |
| 4       | 28 mA        |
| 5       | 35 mA        |
| 6       | 41 mA        |
| 7       | 47 mA        |
| 8       | 55 mA        |
| 9       | 62 mA        |
| 10      | 70 mA        |

### FUNCTIONS

**ON/OFF:** When device is off, it can be turned ON by pressing and holding power button for three (3) seconds. When device is on, it can be turned OFF by pressing and holding power button for three (3) seconds.

**DBS (Double Burst Pulses):** This stimulation produces two (2) short sequences of 50 Hz tetanic stimuli separated by 0.75 sec. (750 millisecond). This stimulation should not be repeated at intervals of less than twelve (12) seconds.

**TWITCH:** Produce twitch stimulation, when pressed and held down, which is automatically repeated (one pulse per second), until the button is released. This button can be turned off by pressing the DBS or TOF button.

**TETANUS:** Produce rapidly repeated stimulation when pressed and held down. Provided electrical stimuli is set for 100Hz. This default can be changed to 50 Hz, by opening the battery cover and removing the battery. 50 Hz/ 100 Hz slide switch is located within the battery compartment. You may move the slide to the desired frequency (50 Hz or 100 Hz). Once this step is completed, reconnect the battery and close the battery cover, prior to using the SunStim™ Pro unit again. The tetanus stimulation should not be repeated more often than every two (2) minutes, as its effect may fade.

**Train-of-Four (TOF):** Generate four (4) equal intensity single pulses in a period of 2.0 seconds. This function can be repeated as often as needed.

**Current Switch:** Increase current intensity by one step by pressing and releasing "+" switch. Pressing and holding "+" will continuously increase current by one step every 0.25 second. Decrease current intensity by one step by pressing and releasing "-" switch. Pressing and holding "-" will continuously decrease current by one step every 0.25 second.

**LCD Display:** The following symbols are used.

**DBS** Indicates device is working in DBS mode.

**Twitch** Indicates device is working in TWITCH mode.

**Tetanus** Indicates device is working in TETANUS mode.

**TOF** Indicates device is working in TOF mode.



Indicates device is outputting pulses.



Indicates remaining capacity of battery; each bar represents 25% of battery capacity. Flashing symbol indicates battery is low.



Indicates level of current intensity level of output pulses: More bars = higher intensity; fewer bars = lower intensity.

