
Sys*Stim[®] 226 Specifications

1.1 General Specifications:

Input:	115 VAC \pm 10%, 50/60 Hz, 0.4 Amp Nom., <i>domestic</i> 230 VAC , 50/60 Hz, 0.2 amperes maximum, <i>export</i>
Classification:	Protective Class I Equipment Type BF Equipment Enclosed equipment without protection against ingress of water. Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or with nitrogen oxide.
Weight:	4.8 pounds 2.2 kg.
Dimensions:	4.3 in (H) x 6 in (D) x 13.4 in (L) 11 cm (H) x 15 cm (W) x 34 cm (L)
Operating Temperature:	+50°F to +131°F +10°C to +55°C
Humidity:	Operating, 30% to 75% Relative Humidity at 104°F (40°C) Nonoperating, up to 90% Relative Humidity at 149°F (65°C)
Operating Pressure:	700-900 mB
Storage Humidity:	Storage, 30% to 90% Relative Humidity at 40° C, Noncondensing
Storage Pressure:	700-900 mB
Storage Temperature:	-40°F to 167°F -40°C to 75°C
Treatment timer: Indicator:	Treatment time counts down to zero when time is set, or up to 60 minutes when no time is set. The digital timer indicates time in minutes and seconds. The timer also indicates the remaining or elapsed treatment time during the "Hold" period.
Accuracy:	\pm 5%
Maximum treatment time:	60 minutes
Current Indicator Range:	0-99 mA

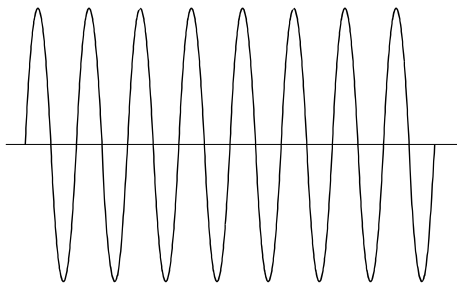
Current Indicator Accuracy: ± 2 mA

Environmental Disposal: The device contains lead in the form of solder used to produce electrical contact between components. To avoid adverse environmental impact utilize a disposal facility that performs complete incineration of the device at a temperature in excess of 1000°C.

The shipping materials are fabricated of cardboard and may be disposed of with other paper products.

1.2 Waveform Specifications:

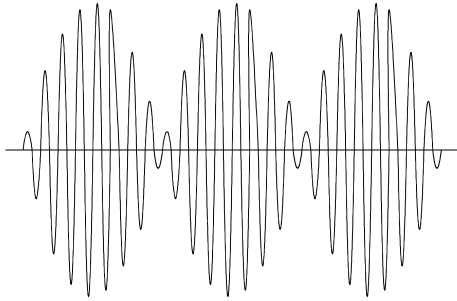
Interferential Mode



Interferential Waveform

Waveform Type:	Sinewave
Volts:	0–65 volts RMS, 1 Kohm load
Current:	0–65 mA RMS, 1 Kohm load
Average current at maximum intensity and frequency:	65 mA RMS
Maximum current density under 2" diameter electrode.	3.2 mA/cm ²
Frequency:	Channel 1 = 4000 Hz Channel 2 = 4000 to 4250 Hz variable frequency sine wave
Frequency Modulation:	1–15 Hz 80–150 Hz 1–150 Hz xx–xx Hz, <i>xx=any value from 1 to 250 Hz</i>
Phase Duration:	125 μ s
Available Amplitude Modulation Options:	Vector rotation
Two Timer Option:	No

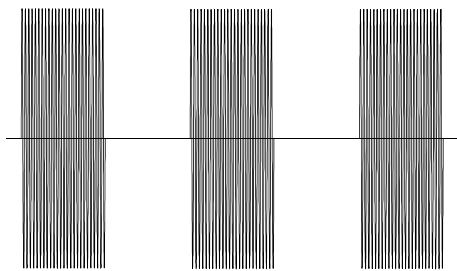
Premodulated Mode



Premodulated Waveform

Waveform Type:	Amplitude modulated sine wave
Volts:	0-50 volts RMS, 1 Kohm load
Current:	0-50 mA RMS, 1 Kohm load
Average current at maximum intensity and frequency:	50 mA RMS
Maximum current density under 2" diameter electrode.	2.5 mA/cm ²
Frequency:	4,000 Hz
Frequency Modulation:	1-15 Hz 80-150 Hz 1-150 Hz xx-xx Hz, <i>xx=any value from 1 to 250 Hz</i>
Phase Duration:	125 μ s internal sine wave 4-1,000 ms beat envelope
Available Amplitude Modulation Options:	Continuous Surge Reciprocation
Two Timer Option:	Yes

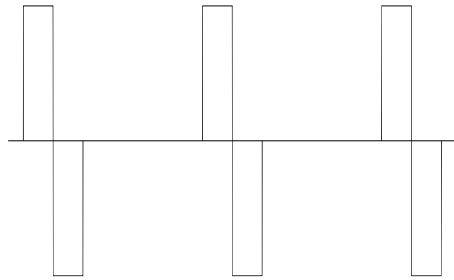
Medium Frequency Mode



Medium Frequency (*Russian*)
Waveform

Waveform Type:	Burst modulated sine wave
Volts:	0-50 volts RMS, 1 Kohm load
Current:	0-50 mA RMS, 1 Kohm load
Average current at maximum intensity and frequency:	50 mA RMS
Maximum current density under 2" diameter electrode.	2.5 mA/cm ²
Frequency:	2500 Hz, Burst at 10 ms on and 10 ms off
Frequency Modulation:	No
Phase Duration:	200 μ s
Available Amplitude Modulation Options:	Continuous Surge Reciprocation
Two Timer Option:	Yes

Biphasic Mode



Biphasic Waveform

Waveform Type:	Symmetrical biphasic square wave
Volts:	99 volts peak, 1 Kohm load
Current:	0 -99 mA peak, 1 Kohm load
Average current at maximum intensity and frequency:	7.2 mA
Maximum current density under 2" diameter electrode.	0.36 mA/cm ²
Frequency:	1-120 Hz
Frequency Modulation:	No
Phase Duration:	50-300 μs
Available Amplitude Modulation Options:	Continuous Surge Reciprocation
Two Timer Option:	Yes

1.3 Amplitude Modulation Specifications:

Vector rotation:

Interferential Mode Only,

±50% amplitude modulation in anti phase with an eight second modulation period.
No

Two timer option

Surge Mode:

Premodulated, Medium Frequency and Biphasic Pulsed Modes

Up ramp: 3 seconds
Down ramp: 2 seconds
Preset on/off times: 10 seconds on, 10 seconds off
10 seconds on, 20 seconds off
10 seconds on, 30 seconds off
10 seconds on, 40 seconds off
10 seconds on, 50 seconds off
10 seconds on, 60 seconds off

Programmable On time: 1-240 seconds

Programmable Off time: 1-240 seconds

Two timer option: Yes

Reciprocation mode:

Premodulated, Medium Frequency and Biphasic Pulsed Modes

Up and down ramps: 1 second, *reciprocation only*
Reciprocation time: 2-240 seconds, (On time = off time)
Combine with Surge: Use up and down ramps of surge program
Use on/off times of surge program.

Two timer option: No