

Basic Unit Characteristics

Parameter		Response
Device Name or Model		S.T. Genesis™
Manufacturer		DyAnsys® India Private Ltd
Number, Size and type of batteries		Three Zinc air Battery
Average DC current through electrodes when device is on but no pulse are being applied		<70 micro Amp
Number of output modes		One (Rectangular Wave)
Number of Output Channels	Synchronous or alternating?	Alternating
	Method of channel isolation?	RC filter Isolation
Regulated Current or Regulated voltage?		DC constant Volts
Software/Firmware/ Microprocessor Control?		Microcontroller flash with internal oscillator 0.5MHz
Automatic Overload Trip?		No
Automatic No- Load Trip?		No
Automatic Shut off?		Yes
Used Override Control?		No
Indicator Display	On/ off Status?	No
	Low Battery?	No
	Voltage/ Current Level?	No
Timer Range (minutes)		180 minutes
Compliance with Voluntary Standards?		NA
Compliance with 21 CFR 898		Yes
Weight (lb., oz)		1.1 lbs
Dimensions (in.) [H x W x D]		50x27x7mm
Housing Materials and Construction		ABS plastic Enclosure with medical grade

Output Specifications

Parameter		Response
Mode or Program Name		Opiate withdrawal
Waveform (e.g., Pulsed monophasic, biphasic)		Biphasic (Alternative pulse)
Shape (e.g., rectangular wave)		2.02 V Amplitude @ 500Ω
		2.64 V Amplitude @ 1 KΩ
		3.2 V Amplitude @ 10 KΩ
Maximum Output Voltage (volts) (+/- _20 __%)		20mV @ 500Ω
		18mV @ 2 KΩ
		13mV @ 10 KΩ
Duration of primary (depolarizing) Phase (msec)		980μsec/phase
Pulse Duration (sec)		980μSec
Frequency (Hz) or Rate (pps)		1 -10Hz
For multiphasic waveforms only:	symmetrical phases?	NA
	Phase Duration (include units) (states range, if applicable) (both phases, if asymmetrical)	No
Net Charge (microcoulombs (mc) per pulse) (if zero, state method of achieving zero net charge)		
Maximum Phase Charge, (mc)		