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Find the *Astro-Med / Grass Technologies S48H* at our website: ***Click HERE***

Nerve and Muscle Stimulator

S48 SQUARE PULSE STIMULATOR

Single, Repetitive and Train Outputs. TTL Synchronization, External Analog Control of Rate

The S48 is a general purpose stimulator intended for nerve and muscle stimulation procedures with applications extending from single cell to entire muscle stimulation. It can be set to deliver single, repetitive, twin pulses, trains of pulses and trains of twin pulses from its single output.

Features include computer compatibility and flexibility of synchronization circuits. The synchronous inputs and outputs are TTL, 5 volt, PC compatible. A rear DB25S connector permits external analog control of the timing circuits.

The constant voltage output is a positive, nonisolated voltage and must be used with an optional Stimulus Isolation Unit for applications requiring isolation and/or constant current.



S48 Square Pulse Stimulator

ORDERING INFORMATION

Model S48	Stimulator including manual and power cord
Model S48RK	Rackmount brackets to mount stimulator in a 19" cabinet
Model CAB-21410	Output cable for applications requiring direct output without a stimulus isolation unit
Model M570E96	Spare S48 manual (manual is specific to the K version)
Model SRS	Stimulate/Record Switching Unit

SPECIFICATIONS

Train Rate	1/100 sec to 100 TPS; single or repetitive
Train Duration	1 msec to 10 sec (4 decades)
Stimulus Rate	1/100 sec to 1000 PPS (5 decades), singel or repetitive
Pulse Delay	10 µsec to 10 sec (6 decades)
Pulse Duration	10 µsec to 10 sec (6 decades)
Synchronous Outputs (TTL)	STIM, DELAY, TRAIN Front Panel: 10 µsec, 50 ohm Rear Panel: 1 or 10 msec and Train End
Synchronous Inputs (TTL)	STIM DELAY, TRAIN DURATION; Trigger from rising or falling edge
Rear Connector (DB25S)	All SYNC INPUTS and OUTPUTS; External Analog Rate Control
Volts Out	10 mV to 150 volts (5 decades)
Peak Output Current	650 mA
Output Impedance	250 ohm nominal on all voltage ranges; 25 ohm and 100 kohm on highest range
AC Power	115/230 volts, 50/60 Hz, 70 watts peak, 15 watts standby
Physical Size	17.25" W x 5.25" H x 12.5" D (43.8 cm x 13.3 cm x 31.8 cm)
Rackmount	Optional S48RK: 19" (48.3 cm) Rackmount brackets
Weight	14 lbs. 2 ozs. (6.4 kg)
Regulatory	Safety: UL 3101-1, CSA C22.2 No. 1010-1, EN 61010-1 Other European Standards: EN 55011, EN 50082-1 European Directives: 73/23/EEC, 89/336/EEC

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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