

External Pulse Generator

SINGLE-CHAMBER (SSI)

MODEL 3077

SPECIFICATIONS

- The Model 3077 single-chamber external pulse generator (temporary pacemaker) is designed for safe and reliable temporary stimulation of the heart in cases of rhythm disturbances and conduction defects.
- An extensive single-chamber feature set offers:
 - Mode choices of Off, AAI/VVI (inhibited operation), and AAI/VVI Beep (inhibited operation with acoustic signals during sensing and pacing), along with asynchronous pacing.
 - A base pacing rate range of 30-180 ppm for appropriate pacing support for all therapy needs, including those of pediatric patients.
 - Adjustable pulse amplitude and sensitivity parameters.
 - Two modes of high-rate pacing (x 2 and x 4) available for treatment of atrial tachycardia (which multiply the set pacing rate by the indicated factor with the press of a button.)
- Up to 12 volts of output available per channel make the Model 3077 temporary pacemaker one of the highest-output devices of its kind available.
- Advanced circuitry promotes efficiency, allowing for good battery longevity.
- Standard 9 volt lithium or alkaline batteries are used, and the device features both visual and audible battery life indicators.
- Runaway protection limits the device to a maximum rate of 200 ppm in the unlikely event of circuit malfunction.
- Both intrinsic and paced activity is indicated with separate blinking LEDs; an audible tone can be added if desired.
- Large, simple dial controls promote ease of use.
- Small size and lightweight design make the Model 3077 temporary pacemaker easy to store and transport.



Indications for Use: When combined with a stimulation lead system, the Model 3077 SSI temporary pulse generator can be used whenever temporary atrial or ventricular stimulation is indicated. The device can be employed for therapeutic as well as diagnostic purposes or be used prophylactically.

Some specific indications for temporary stimulation are:

- Complete (third-degree) or intermittent heart block
- Symptomatic sinus bradycardia
- Atrial or ventricular ectopic arrhythmia
- Sick sinus syndrome (SSS)
- Atrial tachyarrhythmia
- Acute myocardial infarction induced heart block
- Stimulation during a ventricular asystole
- Usage during the replacement of an implantable pacemaker
- Stimulation and monitoring before the implantation of a cardiac pacemaker
- Stimulation and monitoring following heart surgery

Contraindications: The Model 3077 SSI temporary pulse generator is contraindicated:

- In the treatment of ventricular tachycardia
- When overall physiological condition of the patient limits the selection of the stimulation mode and the stimulation parameters.

PHYSICAL SPECIFICATIONS

Models	3077
Battery	Alkaline-38 days (72 ppm, 8.0 V), Lithium-53 days (72 ppm, 8.0 V)
Weight (g)	Approximately 185 (including battery)
Size (cm)	6.0 x 11.5 x 2.2 (2.25 in. x 4.5 in. x .85 in.)

PARAMETER SETTINGS

Modes	VVI, VOO, AAI, AOO
Base Pacing Rates (ppm)	30-180
High Pacing Rates (ppm)	360-720
Pulse Width (ms)	0.75
Pulse Amplitude (V)	0.3-12
Sensitivity (mV)	1.0-20
Refractory Period (ms)	250
Runaway Protection (ppm)	200

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Rx Only

Brief Summary: Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

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