

Miniature™

Model EV4543 Single-Chamber Temporary Cardiac Pacemaker



The 'Miniature' model EV4543 is small and lightweight in design, providing the patient with greater comfort whilst at the same time enabling them to be ambulatory. It can operate in either demand or asynchronous modes and includes adjustable rate, output, and sensing controls.

The 'Miniature' model EV4543 also includes a rate tripling (x3) control, which provides high rate pacing up to 450 ppm for overdrive pacing.

Miniature™

Model EV4543 Single-Chamber Temporary Cardiac Pacemaker

The model EV4543 is a single chamber temporary cardiac pacemaker designed to provide acute therapeutic, prophylactic, and diagnostic cardiac pacing support.

The EV4543 pacemaker has constant voltage output, which is capable of delivering more energy to the patient than similar constant current devices. This feature provides a definitive advantage in establishing and maintaining capture when managing patients with low stimulation impedance pacing leads.

This model is powered by a standard 9-volt battery and is compatible with most endocardial and myocardial lead systems. The device comes complete with carrying case, arm straps, extension cable and instruction manual.

Features

Collet terminals for positive closure on temporary pacing leads and heartwires

Small, lightweight design assures greater patient comfort

Transparent cover protects the controls, while allowing clear visibility

Calibrated rate, output and sensitivity controls

Continues to function for ten (10) seconds during battery change

LED's indicate sensing, pacing and battery status

Rate limiting circuitry

Pacing rate up to 450 ppm with the Model EV4543 (for overdrive pacing)

Protected against defibrillator counter-shocks of up to 500 joules

Specifications

Modes	Demand/Asynchronous
Rate	30 - 150 ppm 90 - 450 ppm (x3) version
Output	0.2 - 12 V
Sensitivity	1.0 - 12 mV
Refractory	300 mS after pacing stimulus 150 mS after a sensed event
Pulse Width	1.5 mS
Interference Rate	Asynchronous operation at 25% higher than selected rate
Dimensions	5.0"L x 2.6"W x 1.3"H (12.7 cm x 6.6 cm x 3.3 cm)
Weight	8 ounces (227 grams)
Battery	Duracell MN1604, 9 volt alkaline

APC Cardiovascular Ltd.
18 Macon Court, Herald Drive,
Crewe, Cheshire CW1 6EA, England
Tel: +44 (0)1270 216142
Fax: +44 (0)1270 216251
Email: info@apc-cardiovascular.co.uk

APC Cardiovascular Ltd.
International Branch Office Nederland
Blauwwater 23-a, 5951 DB, Belfeld, Nederland
Tel: +31 (0)77 475.48.91
Fax: +31 (0)77 475.48.93
Email: apcni@apc-cardiovascular.co.uk

www.apc-cardiovascular.co.uk