

PACEMAKER MONITOR WITH CLINICIAN CONTROLLED PATIENT ALERT

*Helping
clinicians care
for cardiac
device patients*

PACETRAK SPEAKS™

The portable, battery-operated Pacetrak Speaks transmits real-time ECGs and pacemaker information over a standard telephone to Cardiostation™ or a similar ECG receiving station. Through improved patient alert features and a *Universal* phone-cradle design, communication between clinicians and patients is simple and understandable. Additionally, baseline artifacts and spike sensitivity can be adjusted remotely, greatly improving signal quality and eliminating retests.



- Device announces instruction to patient (i.e. "Please pick up the phone")
- Captures real-time ECG/Pacemaker activity along with pacemaker pulse widths, rate, interval and A-V interval
- Device operates regardless of which direction the phone handset is positioned in the cradle
- Compatible with all pacemakers and all trans-telephonic ECG receiving systems
- Self-contained "KIT" includes magnet, wrist electrodes, operators manual, 9V battery and 5-year warranty

ALERT PATIENTS AND ADJUST SIGNAL FROM YOUR DESK



The **STAR KEY** is used to begin a patient ECG transmission. The **POUND KEY** is used to stop a patient ECG transmission and to alert the patient to pick up the phone.



Phone Key **1** and **3** are used to switch between ECG and Pulse-Width data modes.



Phone Key **4** and **6** are used to apply an ECG Filter when 60-cycle interference or “noise” is present in the baseline.



Phone Key **7** and **9** are used to adjust the sensitivity level for the pacemaker spike detection.



SPECIFICATIONS:

CHARACTERISTICS	TEST CONDITIONS	MIN	TYP	MAX	UNIT
PHYSICAL					
Length			26.4		cm
Width			18.8		cm
Thickness			4.9		cm
Weight	With Battery		0.7		Kg
ENVIRONMENTAL					
Operating Temperature		10		40	°C
Storage Temperature		-20		60	°C
Relative Humidity	Non-Condensing	10		90	%
ELECTRICAL					
23°C					
Center Frequency		1915	1965	2015	Hz
Frequency Deviation (Gain)		90	100	110	Hz/m
Common Mode Ratio	@ 40 dB	60			dB
Common Mode Range		± 1.0			V
Differential Input	AC 40 Hz	± 4			mV
Range	DC	± 250			mV
Bandwidth		0.5		100	Hz
Pulsewidth Range		0.2		2.5	msec
Pulsewidth Accuracy			0.1		msec
Input Impedance	@ 40 Hz		2		MOhm
Recovery Time	At TURN ON, or post large voltage excursion			5	sec
Battery Type	Duracell® #1604 (common transistor)		9.0		V
Current	@ 9.0 V				
Low Battery Indicator	Blinking LED		6.5		V

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