

AccuPace™

Model 4800 Dual-Chamber Pacing Analyser



The AccuPace™ model 4800 dual-chamber pacing analyser blends state-of-the-art technology with the utmost in user friendly operation. Developed with the real needs and concerns of implanting physicians and technicians in mind, it is a true dual-chamber pacemaker in addition to being a dual-chamber pacing analyser.

All modes, parameters and test functions are directly accessible by key press and the test results are displayed continuously on the LCD, one channel at a time to avoid confusion. Twelve sets of test results are held in memory, identified by patient ID (if entered), and may be printed out via infrared connection to the optional model 4850 IR Link™ printer.

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Functional Characteristics

Modes:	Demand Asynchronous STAT Pace	DDD, DDI, DVI, VVI, AAI DOO, VOO, AOO DDI
Basic Rates		30 - 180 ppm
Rapid Stimulation		60 - 990 ppm
Pulse Amplitude (A & V)		0.1 - 10 volts
Pulse Width (A & V)		0.05 - 2.0 milliseconds
Sensitivity:	(Atrial) (Ventricular)	0.5 - 20 millivolts 1.0 - 20 millivolts
Refractory Period		250 or 330 milliseconds
PV Delay		AVD minus 25 milliseconds
Maximum Output (A or V)		10 V @ 2 milliseconds
Maximum Tracking Rate (MTR)		40 ppm > Rate
Ventricular Blanking Period		30 milliseconds
Ventricular Safety Pacing		120 milliseconds
PMT Limit		40 bpm > Rate
PMT Termination		10 Beats ≥ MTR
PVC Response		1 Cycle DVI
Patient Archive		Sufficient for Storage of Test Result on 12 Patients
Battery Life (9V)	Alkaline Lithium	5 - 12 Hours (without backlight on) 13 - 30 Hours (without backlight on)

Physical Characteristics

Model 4800 Analyser:	
Size	10.4" x 6.3" x 2.6" (26.4 x 16 x 6.6 cm)
Weight	4.25 lbs. (1.9 kg)
Controls	28 Membrane Keys; 1 Rotary Control
LCD Display	40 Character x 2 Lines with backlight
Connectors	Standard 1.25" Spaced, Plug-In Style
Batteries	Two 9 Volt Alkaline or Lithium
Extension Cables	Models 4280A and 4280V: 12' long
Carrying Case	Model 4840 (soft sided)

Model 4850 Printer:

Size	9.5" x 6.4" x 2.3" (24.1 x 16.2 x 5.8 cm)
Weight	2 lbs. (0.9 kg)
Controls	2 Push Buttons; 1 Slide Switch
Connectors	Custom Infrared Remote Interface
Telemetry Range	Up to 12 Feet (3.65 metres)
Batteries	Built-in NiCad Re-chargeable
Battery Life	1,500 Character Lines Between Charges
Printing Format	40 Characters / Line; 6 Lines / Inch
Charging Time	10 Hours to Full Charge
Printer Paper	Model 4856, 1 roll included
AC Adapter / Charger	Model 4852 110V, 60 Hz Model 4854 220V, 50 Hz

Test Specifications

Patient / Lead System Test	Range	Increment
Stimulation Impedances - A and V	50 - 2000 Ohms	1 Ohms
P Wave Amplitude	0.5 - 9.99 millivolts	0.01 millivolts
R Wave Amplitude	1.0 - 9.99 millivolts	0.01 millivolts
Both P Wave & R Wave Amplitude	10.0 - 20.0 millivolts	0.1 millivolt
Capture Thresholds - Atrial or Ventricular		
Pulse Amplitude	0.10 - 10 volts	0.10 volt
Pulse Width	0.05 - 0.95 millisecond 1.0 - 2.0 milliseconds	0.05 millisecond 0.1 millisecond
Retrograde (V-P) Conduction	180 - 600 milliseconds	1.0 millisecond
Slew Rates	0.05 - 5.00 volts/second	0.01 volt/second
Resultant Current - Atrial or Ventricular	0.1 - > 100.0 milliamperes	0.1/1.0 milliampere

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