



OSYPKA MEDICAL

Berlin, Germany • San Diego, California, USA

# PSA 200™

DUAL CHAMBER (DDD) PACING SYSTEM ANALYZER



The **PSA 200™** is a standalone, handheld, dual-chamber pacing system analyzer. The system can determine the pacing threshold, commanded or continuous lead impedance, and sensing threshold for each its channels; or resemble a dual-chamber pacemaker in the DDD mode. A user friendly and intuitive touch-screen interface employs only those functions and measurements which are relevant to the specific applications, reducing clutter and confusion.

## Pacing System Analysis

Measures in situ lead characteristics of impedance, P/R wave peak amplitudes and slew rates. Aids in determination of capture threshold and tests of antegrade conduction (Wenckebach point) and retrograde conduction.

## PSA 200™ Features

Two independent pacing/sensing IEGM channels plus the surface ECG and a marker channel.

User interface providing 6 ½ inch touch screen geared towards specific applications.

USB-port for data management.

Compatible with standard extension cables and connectors.

Four operating modes are provided:

- 1/A: Atrial channel
- 2/V: Ventricular channel
- DDD: AV-synchronous stimulation
- UHS: Universal Heart Stimulation

Fixed keys for high-rate stimulation (up to 1,000 ppm).

Emergency pacing, and back-up stimulation.

Rechargeable lithium-ion battery which provides up to 4 hours of operation when fully charged, and incorporates a universal medical grade power supply.

## Universal Heart Stimulator (UHS™)

The optional UHS™ mode functions as a diagnostic tool in electrophysiological examinations, particularly along clinical protocols for the induction of supra-ventricular tachycardia. The PSA 200™ offers a simple yet intelligent interface for programmable electrical stimulation (PES), allowing programming of synchronous and asynchronous burst trains, or incremental and decremental train patterns (ramp).

## Specifications

Dimensions	220 mm x 175 mm x 43 mm (8.7" x 6.7" x 1.7")
Weight	760 g (1.67 lbs)
Battery	Li Ion cel (2x AA cell 1.5V backup)
Basic Rate	30 - 220 ppm
Stimulation Amplitude	0.1 - 18 V
Pulse Width	0.1 - 2.5 ms
Sensitivity	0.02 - 20 mV
A-V delay	10- 400 ms
A Refractory Period	250 - 500 ms
PVARP	150 - 500 ms
V Refractory Period	250 - 500 ms
Pacing Modes	Primary: DDD, VVI, AAI, VDD Supplementary: D00, V00, A00, DVI DDI, ODO, VDI, OOO
Emergency Pacing	VVI, 60 ppm
Interface	USB



**OSYPKA MEDICAL**  
Berlin, Germany • San Diego, California, USA

Osypka Medical GmbH  
Albert-Einstein-Strasse 3  
12489 Berlin  
Germany

P: +49 (30) 6392 8300  
F: +49 (30) 6392 8301  
E: mail@osypkamed.com  
www.osypkamed.com

