Compact, Light, Ultra-Rugged
The ZOLL PD 1400 has a space-saving design and weighs just 13 pounds (5.9kg) when configured with Multi-Function Electrodes (15 pounds (6.8kg) with defibrillation paddles). Water resistant and rugged, it’s designed for demanding transport use and will provide years of reliable operation in the most exacting emergency conditions—as either inside or outside the hospital.

Large Monitor
Despite its space-saving design, the ZOLL PD 1400 has a large, bright, high contrast CRT display. Messages are large and easy to read, even in bright sunlight.

Multi-Function Electrodes
ZOLL’s Multi-Function Electrodes allow hands-off defibrillation, pacing, and monitoring. Just one pair of electrodes and one simple connection is all that is required to perform four functions: defibrillation, pacing, cardioversion and ECG monitoring. ZOLL Multi-Function Electrodes are faster, safer, and more effective than standard paddles.

Ease of Use
The controls are simple and color-coded for easy operation. All functions and controls are standardized with other ZOLL models. Training time is reduced, skill retention is improved, and potential therapy delays are minimized.

The ZOLL PD 1400 is the smallest, lightest, and most advanced pacemaker/defibrillator in the world. It offers a full range of features in one compact, ultra-rugged, and water resistant unit that weighs just 13 pounds (5.9kg), making it ideal for both pre-hospital and in-hospital transport use.

It can be operated either with ZOLL “hands-off” Multi-Function Electrodes or with standard defibrillation paddles and pacing electrodes.

The ZOLL PD 1400 is designed for ease of use, maximum flexibility, and complete compatibility with other models in the integrated ZOLL system. Never before has so much capability been available from so small and portable a unit.

Pacing Technology
The ZOLL PD 1400 features ZOLL’s patented pacing technology, recognized as the industry standard and proven superior in independent clinical studies.*

Option Module Connector
Option modules, providing upgrade capabilities, can be added through the option module connector. This connector is standard on every ZOLL PD 1400, providing maximum flexibility and long-term value.

Superior Battery Technology
Sealed, lead-acid battery technology provides high capacity, long life, and low cost. Continuous AC operation, 4 hour recharge and typically 3.5 hours of portable operation with PowerCharger, combined with a separate 4-battery compartment charger, make this the most versatile and advanced battery operated device.

Annotating Recorder
Automatic recorder provides accurate written documentation of therapies. Summary function automatically stores a record of ECG and therapies delivered for later recall and review.

Warranty and Support
Comprehensive warranty, extensive on-site training, and around-the-clock technical assistance are included with every ZOLL PD 1400.

*Clinical studies are available upon request.
ZOLL PD™ 1400

SPECIFICATIONS

Pacemaker

Type: VV demand, asynchronous (fixed rate) when used without ECG leads.

Pulse Type: Rectilinear, constant current.

Pulse Duration: 40 milliseconds.

Pulse Amplitude: Variable to 140 mA.

Pacing Rate: Variable from 30 to 180 BPM.

Output Protection: Fully defibrillator-protected and isolated.

Pacer On: Message display on monitor.

Display Format: Nonfade, moving trace.

Monitor On: Message display on monitor.

Screen Type: High-resolution CRT display.

Screen Size: 4.5 inches diagonally (56 mm x 86 mm, viewing area).

Sweep Speed: 25 mm/sec.

Viewing Time: 3.4 seconds.

Heart Rate: Digital display on monitor 0 – 300 BPM.

ECG Lead: Display on monitor.

Selection: Digital display on monitor 0 – 140 mA.

EGG Size: .5, 1, 1.5, 2, 3 cm²/mV display on monitor.


Receiver Paper: High (60 – 280 BPM)

Out: Low (20 – 100 BPM).

ECG Lead Off: Message display on monitor.

Pacer Electrode Off: Message display on monitor.

Defibrillator Paddle Fault: Message display on monitor.

Electrode Fault: Message display on monitor.

Recorder Paper: Standard 40 mm thermal (grid width), 50 mm (paper width).

Speed: 25 mm/sec.

Delay: 4 seconds.

Annotations: Time, date, defib energy, heart rate, paper output, sync, ECG size, lead, alarm, defib test OK/Fail.

Writing Method: High-resolution, thermal array print head.

Printout Modes: Manual, automatic.

Control: Front panel or paddle.

Automatic Function: 15 second recording initiated by alarm conditions and defibrillator discharge.

Batteries

Type: Rechargeable, sealed lead-acid.

Charger: ZOLL Battery Support System or ZOLL PowerCharger.

Recharge Time: 16 hours for full recharge with ZOLL Battery Support System. 4 hours or less with ZOLL PowerCharger.

Service: Battery is easily removed as a unit.

Low Battery Indicator: Message display on monitor with audible tone. Approximately 20 minutes of monitoring remain when message is displayed.

Operating Time: With new fully charged battery - 36 defibrillator charges to maximum energy (360J), or 2.5 hours min. (3 hours typical) of continuous monitoring, or 2.5 hours of continuous monitoring/pacing at 60 mA, 80 beats/min.

ZOLL PD 1400 with PowerCharger

Package: PD 1400 standard configuration and AC PowerCharger with battery pack.

Product Information

ZOLL PD 1400 Pacemaker/Defibrillator standard configuration includes the following:

1 set standard anterior/anterior defibrillation paddles (adult, pediatric), 1 battery pack, 1 ECG cable, 1 power output cable, 1 set adult electrodes, 1 set pediatric electrodes, 1 roll recorder paper, 2 operator’s guides, 1 tube defibr gel, 1 inservice videotape.

Upgrades - Advisory

ZOLL PD, stat•packs, PowerCharger, Connect•Alarm, Smart Alarms, Speed Pack and Preconnect are trademarks of ZOLL Medical Corporation. Specifications subject to change without notice.

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