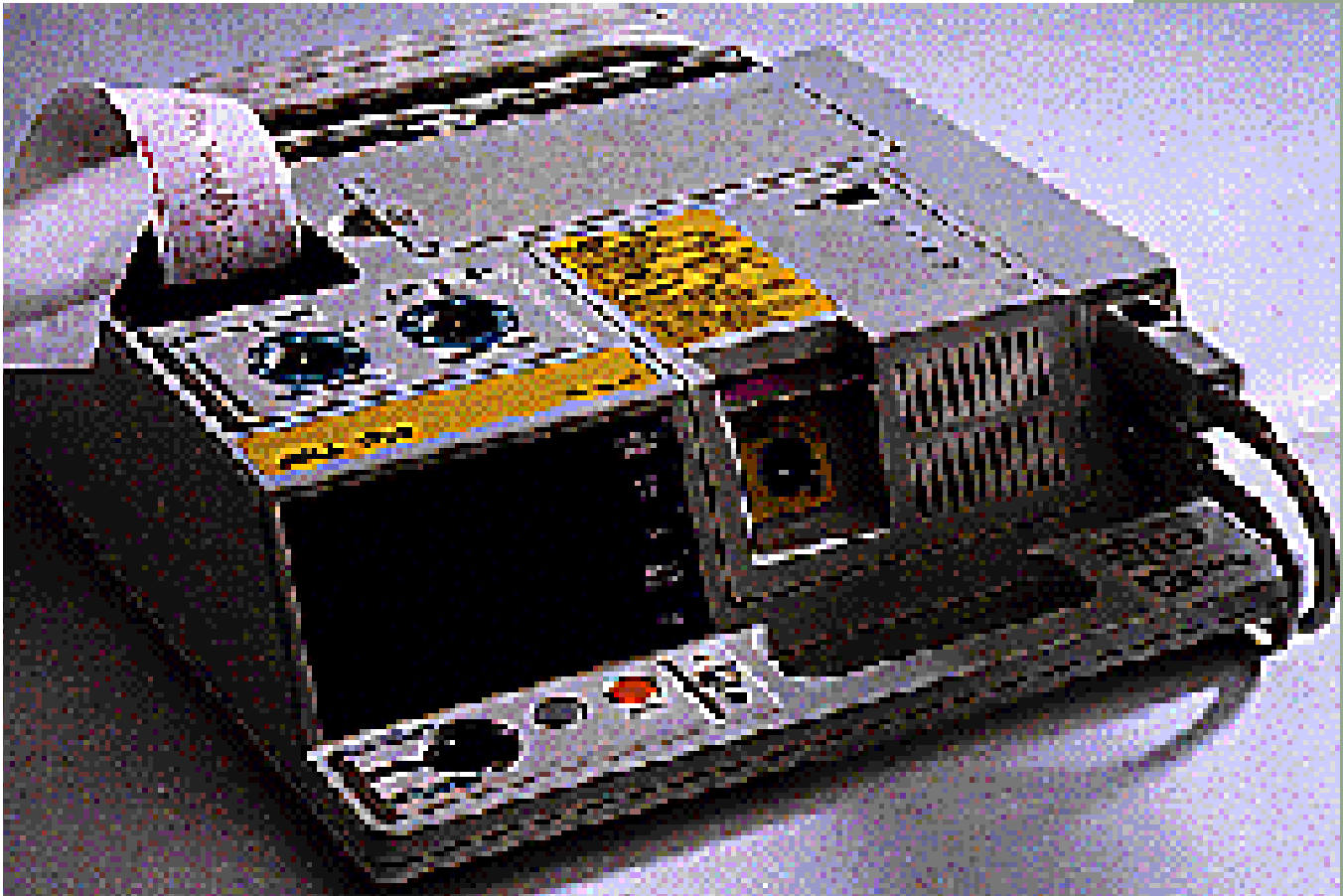


ZOLL 1700

The One AED for the Entire Hospital

The Only System that Provides Semi-automatic and Manual Operation, and Complete Cardiac Arrest Data for the Hospital.



ZOLL
It's about time.

ZOLL 1700

- ALS Manual Override switch allows instant switch from BLS semi-automatic to manual full-featured operation.
- ECG displays, voice prompts, auto reanalyze, energy levels and many other features can be configured to adapt to all training and skill levels.
- Integral AC operation, exchangeable lead-acid battery with four hours or less recharge and Total Quality Management battery system improve safety and reliability.
- Records all resuscitation data onto a PCMCIA card for QA review, transfer to personal computer and statistical analysis using ZOLL Data Control Software™.
- Preconnected stat-padz™ multi-function electrodes, which simplify and speed shock delivery, also provide monitoring, cardioversion and external pacing.

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The One AED for the Entire Hospital

To help hospitals meet the latest AHA recommendations on training all staff to defibrillate,¹ the ZOLL 1700 gives users the tools they need to provide a seamless continuum of care throughout an entire resuscitation event while providing extensive code review and summary data.

The 1700's simple three-step operation guides the BLS provider using voice and screen prompts, automatic ECG analysis, charging and reanalysis to deliver shocks at AHA-recommended energy levels.

For all ALS users, the 1700 adapts to a full manual defibrillator with the turn of a switch, providing a bright CRT ECG display, synchronization, three-lead ECG,

event key annotation, noninvasive pacing and many other advanced features.

The 1700 is the only semi-automatic hospital AED that provides both AC and battery operation, standard for hospital units to ensure reliable and continuous operation. The 1700 also incorporates the simple, easy-to-operate user interface system, standard to all ZOLL automatic and manual defibrillators, to reduce training costs and enhance user confidence.

The ZOLL 1700 is unsurpassed for hospital early defibrillation programs, for collecting and analyzing resuscitation data² and for helping to provide better resuscitation care.



Convert from BLS to ACS operation with a turn of this switch.



Assure battery readiness with LED status indicators and unique AC connect alarm.



Simple, uncluttered screens prompt BLS users through 3-step protocol.

1700 Specifications

Defibrillator General

Waveform: Damped sinusoid
Charge Time: Less than 10 seconds with new fully charged battery. Depleted battery packs will result in a longer defibrillator charge time; monitor displays delivered energy

Semi-Automatic Defibrillator

Shockable Rhythm: Ventricular fibrillation with amplitude > 150µV or wide QRS complex ventricular tachycardia > 150 bpm
Output Energy Delivered: Automatic, preset shock 1, 2, 3 energy levels - user configurable. Selectable at 50, 100, 150, 200, 300, 360 joules
Event Mark Keys: 1, 2, 3, 4
Voice Prompts: "Stand Clear," "Press Shock," "No Shock Advised/Check Pulse," "Analysis Halted," "Check Patient/Press Analyze," "Check Electrodes," "Memory Card Full," "Check Memory Card"
Visual Prompts: Analyze, Analyzing ECG, Shock Advised, Joules Selected, Charging, Press Shock, Number of Shocks Delivered, No Shock Advised, Noisy ECG, Check Patient

Manual Defibrillator

Manual Defibrillator Access: Keyswitch
Output Energy Delivered: Selectable at 2, 3, 5, 7, 10, 20, 30, 50, 100, 150, 200, 300, 360 joules
Synchronized Mode: SYNC™ message displayed; marker on monitor and on recorder paper identifies R-wave
Smart Alarms: Beeper/voice prompts indicate shockable rhythm
Voice Prompts and Audio Recording: On/Off - user configurable

Pacemaker

Type: VVI demand; asynchronous (fixed rate) when used without ECG leads
Pulse: Rectilinear, constant current, 40 millisecond duration, amplitude variable to 140 mA, rate variable from 30 to 180 PPM

Output Protection: Fully defibrillator-protected and isolated
Pacer On: Message display on monitor

Monitor and Display

Patient Connection: Via 3-lead ECG cable, fully defibrillator-protected
Bandwidth: 5-35 Hz (-3dB) standard
Display Format: Nonfade, moving trace
Screen Type: High-resolution CRT display, 4.5 inches diagonally, 25 mm/sec sweep speed, 3.4 sec viewing time
Heart Rate: Digital display on monitor 0-300 BPM
Pacer Output Current: Digital display on monitor 0-140 mA
Lead Selection: Display on monitor
ECG Size: 5, 1, 1.5, 2, 3 cm/mV display on monitor
Selectable Alarms: High (60-280 BPM), Low (20-100 BPM)
Message Displays: ECG Lead Fault, Pacer Electrode Fault, Defibrillator Fault, Recorder Paper Out, Low Battery Voltage

Strip Recorder

Paper: Standard 40 mm thermal (grid width), 50 mm (paper width)
Type: 25 mm/sec speed, 5-35 Hz bandwidth, 6 sec delay

Digital Memory Card

Event Recording: Digitally records continuous ECG data and device status
Audio Recording: Digitally from integral microphone
Capacity: Up to 4 megabytes standard PCMCIA card
Event Review: View all event data via IBM-compatible personal computer equipped with ZOLL Data Control Software

Batteries

Type: Rechargeable, sealed lead-acid
Charger: ZOLL PowerCharger™
Recharge Time: 4 hours or less with ZOLL PowerCharger

Operating Time: With new fully charged battery - 35 defibrillator charges to maximum energy (360J), or 2 hours of continuous monitoring

General

Size: 10.7 cm high x 33.5 cm wide x 37.4 cm deep (4.2" high x 13.2" wide x 14.7" deep)
Weight: 7.7 kg (17 lbs) with PowerCharger
Power: Sealed lead-acid battery - 2.0 V/cell - wired in series
Warranty: In North America: 5-year hospital warranty including use of a loaner
Design Standards: Environmental test compliance includes the following: RF immunity per IEC 801-3 to 20V/M, EMI Emissions per CISPR 11 class A, Vibration per IEC 68-2-6 and IEC 68-2-34, Shock per IEC 68-2-27, and moisture per IEC 529 standard IPX4
Patient Safety: All patient connections are fully isolated
Temperature: Operating, 0°C to 55°C; Storage, -20°C to 70°C; Humidity, 5% to 95% relative humidity, noncondensing
Operating Modes: Semi-automatic (default mode), Manual, Self-Test, Diagnostic, Configuration

Upgrades

- ZOLL Noninvasive Pacing
- Digital Audio Recording

References

1. The Journal of the American Medical Association, October 28, 1992, Volume 268, Number 16
2. Annals of Emergency Medicine, May 1997, Volume 29, Number 5

Specifications subject to change without notice.

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