A street-tough defibrillator for ALS with advanced capabilities.
Rugged design, advanced capabilities

No other full-feature defibrillator was designed specifically for the rigors of your EMS environment. Documentation is made easy when combined with data transfer options that take the “paper” away.

realCPR

Chest compression rate and depth is measured in real-time, and both visual and optional audible feedback are provided. All CPR data can be recorded and reviewed using RescueNet® Code Review software.

see-thruCPR

ECG signal processing extracts CPR artifact from the ECG so you can see organized rhythms without interrupting compressions.

E Series Specifications

E Series Monitoring

Patient Connection: 3-lead, 9-lead or 12-lead ECG cable, paddles or MFE pads, selectable by front panel switch. Input Protection: Fully defibrillator protected. Special circuit prevents distortion of ECG by pacing pulse (Pacer version only.) Implanted Pacemaker Show Display: Dedicated circuitry detects most implanted pacemaker spikes and provides standard display marker of spike on ECG trace. Bandwidth: 0.5–1 Hz (±3 dB) standard. 0.05–15 Hz diagnostic. 1–21 Hz user-configurable. Lead Selection: Displayed on monitor. ECG Size: 0.5, 1.5, 2.5, 3 mV/ohm — monitored on display. Heart Rate: Displayed 500–3000 bpm. Heart Rate Alarm: Screen icon indicates activated/deactivated status. User-selectable, tachycardia 280–2800, bradycardia 20–100 bpm. /U ECG Unit: 1.0 volt/cm of deflection on strip-chart recorder. ≤25 ms delay from device input. Display Format: Non- Nico moving bar display. SmartAlarms®: Beep or voice prompts indicate shockable rhythm.

Display

Screen Type: High-resolution color liquid crystal display (LCD). Screen Size: 5.6 inches (14.3cm). Sweep Speed: 25 mm/sec. Viewing Time: 24 hours. Channels: 2. Messages: Heart rate, lead, pads, alarm on/off, SpO2, ECOG, AED functions and prompts, defibrillation test function, error corrections and faults, pacing functions (optional), codemakers, alarm selection and limits, delivered energy.

Defibrillator

General: WaveliF® ZOLL Rectilinear Biphasic®. Charge Time: Less than 6 seconds with a fully charged battery. Battery life is measured in real-time. Defibrillator batteries will result in a longer defibrillator charge time. Energy Display: Monitor display indicates both selected and delivered energy. Multi-Function Electrode (MFE) Pads: Specifically designed anterior/posterior pre-gelled ZOLL® Multi-Function Electrode packaged in pairs. Burh-Dexter Defibrillator Tetrapod: Provides verification of the defibrillator charging and discharging without removing paddles from storage wells or verification of unit configured with Multi-Function cable. Multi-Function Electrode Impedance Measurement Range: 0.5–200 ohms ≤10%, or 5 ohms, whichever is greater. Manual (Adult Mode): Energy Selection: Selectable: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 90, 100, 120, 150, 200 Joules. Delivered into 50 ohm load.) Selectable using controls on sternum paddle or device front panel. Synchronized Mode: Synchronizes defibrillation pulse to patient's R-wave. “SYNC” message displayed on monitor. Monitor: Display and recorder paper identifies “R-wave-discharge point.” Paddles: Standard glove/latex adult and pediatric. Adult paddles slide off to expose pediatric paddles. Charge Controls: Control on apex paddle and on device front panel. Advisory: Advisory Function: Single analysis or programmable auto-re-analyze x3 with programmable auto-energy level selection and screen prompts. Shockable Rhythms: Ventricular fibrillation with amplitude ≥100 μV and wide complex ventricular tachycardia with rates greater than 150 bpm. Charge Controls: Control on device front panel. Energy Selection: Automatic, pre-set shock 1, 2, 3 energy levels — user-configurable. 120, 150, 200 Joules biphasic default. Selected using controls on device front panel. Pacer (Pacer Version Only) Type: VVI demand, asynchronous (fixed rate) when used without ECG leads or in ASYNCH pacing mode. Pulse: Rectilinear, constant current, 40 milliseconds ±2%; amplitude variable 0 to 140 mV, ±5% or ±5, whichever is greater; digitally displayed on the monitor (increments or decrements by a value of 2 mV rate) variable from 30 to 100 mV ±5% increments or decrements by a value of 2 mV. Output Protection: Fully defibrillator protected and isolated. Multi-Function Electrode (MFE) Pads: Specifically designed pre-gelled ZOLL® Multi-Function Electrode packaged in pairs. Recorder Paper: 80 mm thermal (y/d) width, 80 mm (paper width). Speed: 25 mm/sec. Annotations: Time, date, defibr energy, heart rate, pace output (pacer version only), GRS sync marker. Energy: ECG, size, lead, alarm, defibr test OK/FAIL, analysis ECG, pads off, analysis halted, noisy ECG, shock advised, no shock advised, ECG too large, ECG too small and diagnostic bandwidth. Printing Method: High-resolution, thermal array print head. Printout Modes: Manual or automatic — user-configurable. On/Off Control: Front panel. Pacing: Automatic: 15-second recording initiated by alarm activation or defibrillator discharge.

Voice Prompts

“Attach pads,” “Check pads,” “Check patient,” “Stand clear,” “Press shock,” “No shock advised,” “Check pulse,” “Prepare CPR,” “Shaping,” “Press shock,” “Check patient,” “If no pulse, perform CPR.”

Visual Prompts

“Press shock,” “Check shock,” “No shock advised,” “Check shock,” “Press shock,” “Check patient,” “perform CPR”

PCMCIA Card Slot

Accepts a standard microSD™ Flash Cards, 2, 4, 16, and 32 MB. Fax modem cable capability in slot 1, data cards in slot 2.

Specifications subject to change without notice.

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