

Specifications

Defibrillator
Waveform: Self-Compensating Output Pulse Envelope (SCOPE) optimised biphasic escalating waveform compensates energy, slope and duration for patient impedance
Patient analysis system
Method: Evaluates patient’s ECG, electrode contact integrity and patient impedance to determine if defibrillation is required
Sensitivity/Specificity: Meets IEC/EN 60601-2-4
Impedance range: 20-230 ohms
Energy selection
Pad-Pak Shock 1: 150J Shock 2: 150J Shock 3: 200J
Pediatric-Pak: Shock 1: 50J Shock 2: 50J Shock 3: 50J
Charge time (typical): 150J in < 8 seconds, 200J in < 12 seconds
Environmental
Operating/Standby temperature: 0°C to 50°C (32°F to 122°F)
Transport temperature: 0°C to 50°C (32°F to 122°F)
NOTE: It is recommended that the device should be placed in an ambient temperature of between 0°C to 50°C (32°F to 122°F) for at least 24 hours upon first receipt.
Relative humidity: 5% to 95% non-condensing
Enclosure: IEC/EN 60529 IP56
Altitude: -381 to 4 575 metres (-1,250 to 15,000 feet)

Shock: MIL STD 810F Method 516.5, Procedure 1 (40 G’s)
Vibration: MIL STD 810F Method 514.5, Procedure 1 Category 4 Truck Transportation – US Highways Category 7 Aircraft – Jet 737 & General Aviation
Atmospheric pressure: 572 hPa to 1060hPa (429 mmHg to 795 mmHg)
EMC: IEC/EN 60601-1-2
Radiated emissions: IEC/EN 55011
Electrostatic discharge: IEC/EN 61000-4-2 (8 kV)
RF immunity: IEC/EN 61000-4-3 80MHz-2.5 GHz, (10 V/m)
Magnetic field immunity: IEC/EN 61000-4-8 (3 A/m)
Aircraft: RTCA/DO-160G, Section 21 (Category M) RTCA/DO-227 (ETSO-C142a)
Falling height: 1 metre (3.3 feet)
Physical characteristics
With Pad-Pak inserted:
Size: 20 cm x 18.4 cm x 4.8 cm (8.0 in x 7.25 in x 1.9 in)
Weight: 1.1 kg (2.4 lb)
Accessories
Pad-Pak Electrode and Battery Cartridge
Shelf life/Standby life: See the expiration date on the Pad-Pak/Pediatric-Pak (4 years from manufacture date)
Weight: 0.2 kg (0.44 lb)

Size: 10 cm x 13.3 cm x 2.4 cm (3.93 in x 5.24 in x 0.94 in)
Battery type: Disposable single-use combined battery and defibrillation electrode cartridge (lithium manganese dioxide (LiMnO ₂) 18V)
Battery capacity (new): > 60 shocks at 200J or 6 hours of battery use
Electrodes: Disposable defibrillation pads are supplied as standard with each device
Electrode placement: Anterior - lateral (Adult) Anterior - posterior or Anterior - lateral (Pediatric)
Electrode active area: 100 cm ² (15 in ²)
Electrode cable length: 1 metre (3.3 feet)
Aircraft safety test (TSO/ETSO-certified Pad-Pak): RTCA/DO-227 (ETSO-C142a)
Data storage
Memory type: Internal memory
Memory storage: 90 minutes of ECG (full disclosure) and event/incident recording
Review: Custom USB data cable (optional) directly connected to PC with Saver EVO Windows-based data review software
Materials used
Defibrillator housing: ABS, Santoprene
Electrodes: Hydrogel, Silver, Aluminium and Polyester
Warranty
AED: 8-year limited warranty