



St John Ambulance G3 Elite

Technical Specifications



Rescue Ready®

The St John Ambulance G3 Elite performs comprehensive self-tests daily to ensure it is Rescue Ready®. Studies have shown that approximately 46% of AED failures are due to pad, pad connector, or battery power problems.¹



User-Paced Rescue Prompts

RescueCoach™ prompts and guides users step-by-step through the rescue process. The AED recognises actions taken and ensures that the rescuers completes every critical task before moving on to the next.



CPR Support

In addition to early defibrillation, the guidelines emphasise the importance of high-quality CPR to increasing SCA survival rates. The St John Ambulance G3 Elite uses simple CPR instructions and an easy-to-follow metronome to support rescuers.



Proven Technology

The St John Ambulance G3 Elite analyses the patient's heart rhythm in seconds and delivers a customised shock for each patient.





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St John Ambulance G3 Elite Specifications

Defibrillator

Protocol: Semi-automatic and fully automatic configurations

Waveform: STAR® biphasic truncated exponential

Impedance: 25–180 Ω

Audible Alerts: Voice prompt and maintenance

Visible Indicators: Status indicator, battery capacity gauge, service indicator, pads indicator, text display

Defibrillator Charge Hold Time:

30 seconds; The St John Ambulance G3 Elite automatic model: 3 seconds prior to automatic shock delivery

Energy Selection:

Factory preprogrammed escalating energy. Adult: 126 J to 351 J

Charge Time: Less than 10 seconds with new battery

Preshock Pause: 15 seconds (typical) with new battery

Paediatric Capability: Intellisense™ paediatric defibrillation electrodes

Display Format: Monochrome

Display Screen Viewable Area: 1.5 cm (h) x 7.5 cm (w)

Content: Text rescue/CPR prompts, CPR timer, elapsed time, device status/errors, data download prompts

Voice and Text Prompts:

RescueCoach™ provides user-paced rescue prompts and CPR instruction. Prompts activate when the AED lid is opened and guide the operator through the rescue.

Port: Data cable

Data Recording and Storage:

Internal memory holds up to 60 minutes of ECG data with event annotation; can store ECG data from multiple rescues.

Event Data:

With RescueLink® software, users may select specific events for download to PC or transfer.

Device

Size: (H x W x D) 8 cm x 27 cm x 31 cm; 3.3 in x 10.6 in x 12.4 in

Weight (batteries and pads): 3.10 kg

Power: Battery

Port: Data cable

Classifications/Standards: Classified by CSA International with respect to electric shock, fire and mechanical hazards only in accordance with CAN/CSA C22.2 No.60601-1:08, EN60601-1 and EN60601-2-4. Certified to CAN/CSA Standard C22.2 No. 60601-1:08

Design Standards: Meets applicable requirements of EN 60601-1; EN 60601-2-4; IEC 60601-1; IEC 60601-2-4; IEC 60601-1-2; IEC 60601-2-4

Safety and Performance: IEC 60601-1; IEC 60601-1-2; IEC60601-2-4; RTCA DO-160G: 2010:Section 8

Emissions: CISPR 11-2016 RTCA DO-160G:2010, Section 20 & Section 21, Category M

Environmental

Transport (5 days): -30°C to 65°C

Storage Temperature (2 years): 0° to 50°C

Operating and Storage Temperature: 0°C to 50°C

Pressure: 57kPa (+15,000 ft) to 103 kPa (-500 ft)

Humidity (operation and standby): 5% to 95% (non-condensing)

Vibration (Random): IEC 60068-2-64:2008, Environmental testing – Part 2-64: Tests – Test Fh: Vibration, broadband random and guidance. RTCA DO-160G:2010, Section 8

Vibration (Sine): IEC 60068-2-6:2007; Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)

Shock: IEC 60068-2-27:2011; Environmental testing – Part 2-27: Tests Ea. and guidance

Altitude: -500 ft to 15,000 ft; -152m to 4573m

Pressure: 1030 to 570 millibars; 57 kPa (+15,000 ft) to 103 kPa (-500 ft)

Enclosure Protection: IEC 60529, IP24

Drop Test: 1.0 meter per 60068-2-31:2009

Intellisense® Lithium Battery

Battery Capacity: 290 shocks at 300 VE (typical); output voltage: 12 VDC (nominal), 18 hours (typical) of operating time

Type: non-rechargeable lithium battery (model 9146-702)

Battery Standby Life (once installed): 4 years* with daily self-test

Battery Shelf Life: Store for up to 5 years from date of manufacture at 20°C to 30°C, packaged or unpackaged

Weight: 0.454 kg

Size: (H x W x D): 6.5 in x 2.87 in x 1.77 in

Intellisense™ Defibrillation Pads

Shelf Life: 30 months from date of manufacture (24 months minimum)

Type: Disposable self-adhesive, non-polarised; minimum combined surface area 228 cm² (35.3 in²)

Cable Length: 1.3 m or 4.27 ft

Rescue Ready®

Self-test: Automatic daily self-test on AED electrical circuitry, software, battery and defibrillation pads

Weekly: Daily self-tests plus partial energy charge

Monthly: Daily self-tests plus full-energy, high voltage tests

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*Comes with battery replacement performance guarantee.

¹DeLuca Jr LA, et al. Ann Emerg Med. 2012 Feb;59:2:103–111.

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