

POCKET AED

PRODUCT DATA SHEET

Compact & Lightweight

The St John Pocket AED is significantly lighter and smaller than traditional AED models, featuring a 2/3 reduction in weight and a 3/4 reduction in volume, while maintaining the same therapeutic efficacy. Weighing less than 0.7kg, this compact device can be easily stored in a home first aid kit, in the glove box, in a backpack or handbag, ensuring quick accessibility during critical situations.

Rugged Durability & Reliability in Demanding Conditions

With an impressive IP65 rating for dust and water resistance, the device is designed for operation in the harshest environments. Its reinforced construction ensures exceptional performance under extreme conditions, demonstrating remarkable resilience to various environmental challenges.

Additionally, it has successfully passed a rigorous drop test from 1.5 metres, confirming its ability to withstand emergencies in tough situations.

Product Model	P3
Size (HxWxL) cm	5.3 x 8.6 x 15
Weight (incl. battery & pads)	Less than 0.7kg
Child Mode	Yes
Dust & Water Resistance Level	IP65
Drop Impact Resistance	1.5m

Remote monitoring available via integrated eSIM with a paid subscription. Contact St John for more information.



Product Highlights

- Patented Tiny Combine™ technology:
 1. Portable and lightweight - 5.3(H) x 8.6 (W) x 15 cm (L), <0.7kg
 2. IP65 protects against dust and wet environments
 3. Drop tested to 1.5 metres
- One-touch power on, and one-touch defibrillation functions
- Smart voice guidance
- Smart pads (suitable for both adults and children) with a 4-year lifespan, allowing for biphasic shock
- 3-year battery life with weekly self-test
- CPR support with metronome
- Time to shock less than 8 seconds
- Algorithm capable of detecting implants such as a pacemaker and internal defibrillator
- Pacemaker pulse detection
- Stores 24 hours of ECG data
- Weekly self-testing ensures the device, pads, and battery are always ready for use
- Supports 4G mobile communication and Geo-Location
- Pull-strap opening from pads back cover, accessible in 1 second
- 5-year warranty

SPECIFICATIONS

Defibrillator

Waveform: Biphasic Truncated Exponential (BTE) Waveform

Impedance Range: 20 - 180Ω

Energy Level: Adults energy released at 50J impedance: 150J, Child energy released at 50J impedance: 50J

CPR Coaching: CPR instructions are available, with metronome and hand placement instructions.

CPR Protocol: Comply with ERC/AHA 2020 guideline

Charge/Discharge Time (Disposable Battery): The time from the initial rhythm analysis to when the shock can be performed: Typically within 17 seconds.

Arrhythmia Analysis

Accuracy: Comply with IEC60601-2-4 requirements

Analysis Time: Typically 8 seconds

Controls

Shock Control: Semi-automatic (press the shock button to deliver energy)

Registration: TGA, CE-MDR

Certification: ISO 13485

Safety Standard:

IEC 60601-1:2005+A1:2012+A2:2020

IEC 60601-1-6:2010+A1:2013+A2:2020

IEC 60601-1-2:2014+A1:2020

IEC 60601-1-12:2014+A1:2020

IEC 60601-1-11:2015+A1:2020

IEC 60601-2-4:2010+A1:2018

IEC 62304:2006+A1:2015

IEC 61508-1:2010

IEC 60086-4:2019

IEC 62133-2:2017+A1:2021

IEC 62366-1:2015+A1:2020

IEC 14971:2019+A11:2021

ISO 15223-1:2021

ISO 20417:2021

ISO 17664-2:2023

ISTA 2A-2011

User Interface

User Guidance: Voice and light guidance

Child Button: Easily switch to Child Mode

Device Status Indicator: Visual indicators help to monitor the status of the main device, electrodes, and battery. Flashing green light indicates the device is normal. Flashing red light indicates the device requires maintenance.

Environmental Parameters

Operating Temperature: -15°C ~ +50°C

Storage Temperature: 0°C~+50°C

One Hour Operating Temperature Limit (extreme cold): -20°C

Short-term Storage/Transport Temperature: -40°C ~ +70°C, within one week, with battery and pads uninstalled

Atmospheric Pressure: 59.4KPa ~106KPa

Relative Humidity: 0%~95% (no condensation)

Ingress Protection: IP65

Altitude: -382m ~ 5000M

Physical Characteristics

Height: 5.3cm

Width: 8.6cm

Depth: 15cm

Weight: 0.7kg (including battery and pads)

Tolerable Impact/Fall Damage: Can withstand free fall damage from a height of 1.5m onto hard surfaces

Disposable Battery

Type: Lithium manganese dioxide (LiMnO₂ Battery), 12V/1500mAh (Standard)

Capacity: at 20°C ± 2°C, the new battery can discharge 130 times at 150J

Operation Life (standby): 3 years (typical) with weekly self-test, 4G/LTE off; 2 years (typical) with daily self-test 4G/LTE off.

Continuous Operating Time/Runtime: ≤6 hours; ≤1 hour after first low-battery indication.

Low Battery Status: A battery that indicates low battery can still be used 30 times at 150J

Electrodes (Pads)

Pads: Suitable for both adult and child

Operation Life (standby): 5 years
(Pads Model: OBS-DE/W)

Cable Length: ≥ 1.0m

Storage Space: Pads can be stored in the pads storage compartment at the back of the device

Communications

Communication: Bluetooth, 4G mobile communication 4G, and Geo-Location/AED Location.

Overall Device

Date of Production: See label on the back of the device

Warranty: 5 years

