

GENERAL SPECIFICATIONS

- **Dimensions:**
 - 22.0 cm/8.66 in (W).
 - 13.0 cm/5.11 in (D).
 - 29.0 cm/11.41 in (H).
- **Weight:**
 - Device - 2.90 Kg/6.39 lb.
- **Internal rechargeable battery:**
 - Type: Li-ion, 14.4 VDC 4.0 A/h.
- **Duration:**
 - 10 hours in cardiac rhythm recognition mode (full load battery) or at least 200 shocks in 200 Joules (battery under good conditions).
 - Battery full load time (fully unloaded): 5 hours.
- **Battery loader source:**
 - Power supply 100 – 240V/50-60Hz.
 - Consumption (max.): Power supply 1 A.
 - Output: 24 VDC, 1.5 A.
- **Battery storage:**
 - Battery storage for long periods under temperatures above 35°C will reduce the battery's capacity and abbreviate its useful life.
- **Preset defibrillation scales (AED mode):**
 - Adult: 1st shock 150 J, subsequent shocks 200 J.
 - Child: 50 J.
- **Internal memory storage:**
 - 100 events or 2 hours of ECG record.
- **Protection class:**
 - IPX0
- **Classification:**
 - Internal Energized Equipment.
 - CF Type.
- **Mode of operation:**
 - Continuous Operation.
- **Maximum time since beginning of rhythm analysis until promptness for discharge:**
 - 20 s
- **Maximum time since beginning of the operation until promptness for discharge at the maximum energy:**
 - 25 s

ENVIRONMENTAL SPECIFICATIONS

- **Temperature:**
 - Operational: 0 to 50°C/32 to 122 F.
 - Storage: 0 to 70°C/32 to 158 F.
- **Humidity:**
 - Operational: 10 to 95% RH, without condensation.
 - Storage: 10 to 95% RH, without condensation.

DEFIBRILLATOR

- **Wave form:**
 - Biphasic Truncated Exponential. Wave form parameters set according to the patient's impedance.
- **Shock application:**
 - By multifunctional adhesive pads.
- **Commands:**
 - Front Panel button (on/off).
 - Touchscreen: allows for the selection of manual mode and defining energy scales.
- **Defibrillation scales:**
 - Adult: 150 to 270 J.
 - Child: 10, 20, 30, 40 and 50 J.
- **Adult/Child Selection:**
 - Automatic by the type of pads.
- **Charge command:**
 - Automatic after identifying arrhythmias that should receive shock.
- **Shock command:**
 - Front Panel button, when blinking.
- **Maximum time between beginning of rhythm analysis and promptness for discharge:**
 - 20 s.
- **Maximum charging time:**
 - 50 Joules: < 2 seconds
 - 150 Joules: < 4 seconds
 - 200 Joules: < 6 seconds
 - 270 Joules: < 7 seconds
- **Pads size:**
 - Adult = area: 82 cm² / 12.71 in².
 - Child = area: 30 cm² / 4.65 in².

- **Maximum output voltage:**
 - 2000 V.
- **Maximum output current:**
 - 60 A (25 ohms).

STANDARDS

- NBR IEC 60601-1:1997 (IEC60601-1:1995), Medical Electrical Equipment – Part 1 – General Requirements for Safety.
- EN 60601-1:1990, (Amendment, A1:1993, A2:1995, A13:1996) (IEC 60601-1:1988, A1:1991, A2:1995), Medical electrical equipment - Part 1 - General Requirements for Safety.
- NBR IEC 60601-1-2:2006 (IEC60601-1-2:2004), Medical Electrical Equipment – Part 1-2 – General Requirements for Safety: Collateral Standard: Electromagnetic Compatibility – Requirements and Tests.
- EN 60601-1-2:2007 (IEC 60601-1-2:2007), Medical electrical equipment. General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests.
- ABNT NBR IEC 60601-1-4:2004 (IEC 60601-1-4:2000) Medical Electric Equipment - Part 1-4: General Requirements for Safety: Collateral Standard: Programmable electrical medical systems.
- IEC 60601-1-4:2000 - Medical electrical equipment - Part 1-4: General requirements for safety — Collateral standard: Programmable electrical medical systems.
- NBR IEC 60601-2-4:2005 (IEC60601-2-4:2002), Medical Electrical Equipment – Part 2 - Particular requirements for the safety of Cardiac Defibrillators.
- EN 60601-2-4:2003 (IEC 60601-2-4:2002), Medical electrical equipment. Particular requirements for safety. Particular requirements for the safety of cardiac defibrillators.
- ANSI/AAMI DF80:2003: Particular requirements for the safety of cardiac defibrillators (including automated external defibrillators).
- NBR IEC/CISP.





isis
PRO



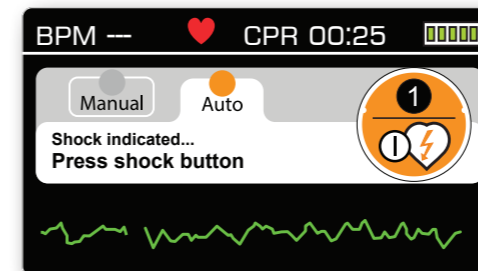
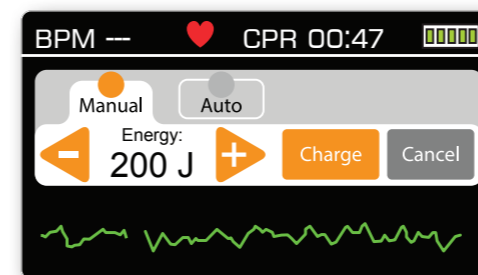
- Double use: as manual defibrillator or AED.
- Audio orientation and visual indicators on the LCD screen.
- Horizontal or upright mount.
- Internal memory to record events.
- USB-PC connection, includes software for data download and management.
- Biphasic Shock.
- Self-diagnosis of functions and battery.
- Easy access to pads, for use and replacement.



Designed for emergency rescue, in cases of cardiac arrest (ventricular fibrillation and ventricular tachycardia), Isis PRO has a reinforced internal case and rubber-coated body that is resistant to shock and humidity. It is compact, lightweight, resistant and easy to use.



ISIS PRO IS AN ADVANCED AUTOMATIC EXTERNAL DEFIBRILLATOR (AED) THAT OFFERS ECG VIEW AND MANUAL OPERATION THROUGH ITS TOUCHSCREEN.



MANUAL MODE

Isis PRO adds the flexibility of manual operation to an AED equipment, thus allowing health professionals, based on their experience and in the ECG curve shown in the device screen, to personalize the parameters to be applied in the treatment.

The touchscreen, which offers excellent contrast and display size, can be used to select the manual operation mode and then charges of up to 270 J.

User interface is simple and self-explanatory.

The manual mode guarantees that the operator's criteria will prevail, thus ensuring the best possible treatment in any situation.

AED MODE

Isis PRO can also be used as a standard Automatic External Defibrillator, i.e. by users with minimum training. One only has to place the adhesive pads on the patient and press a single button to start the treatment.

Using a sophisticated Neural Network, Isis PRO provides audio orientation and automatically diagnosis arrhythmia, takes into account clinical variables and, if recommended, requests confirmation before safely applying the shock.



Quickly alternate between the automatic and manual modes of operation with a simple touch to the screen.

