

INSTRAMED

i.on PRO

# Professional enhancement.

The PRO version of the i.on line of AEDs is exclusively for use by healthcare professionals, ensuring even greater precision and flexibility to save lives.



i.on  
pro

Automated  
External Defibrillator

Designed and developed exclusively for healthcare professionals, the PRO version of the i.on offers functionalities and parameters that enable more precise and efficient care. In addition to all the benefits of an Instramed AED, this device allows the user to operate it as a conventional defibrillator, enabling the manual selection of the optimal charge (up to 360 J) for treatment during care. Based on their experience and the ECG curve displayed on the device's screen, users have autonomy to set the treatment parameters.

## Agility saves lives.

The i.on line has unique features for the emergency care segment that optimize time and increase the chances of achieving its purpose: saving lives.



### Manual selection

Provides manual energy selection up to 360 J, allowing users to deliver care with greater flexibility and efficiency.



Provides connectivity with the in.track System, allowing users full control and management of their AED fleet from anywhere in the world via cloud access.



### Instramed Warranty

We offer a 1-year factory warranty, reinforcing our commitment to the quality, reliability, and durability of the brand that pioneered biphasic defibrillation technology in Brazil.

# Available Parameters

- Biphasic charges up to 360 J
- Automatic or Manual Operation Modes
- IP56 protection index
- Carrying handle
- Functional transport bag
- ECG monitoring
- Rechargeable Plug-and-Play batteries
- SoftDEA
- IoMT
- Patient select button
- Ambient sound recording
- Storage of curves and events
- CPR Maestro

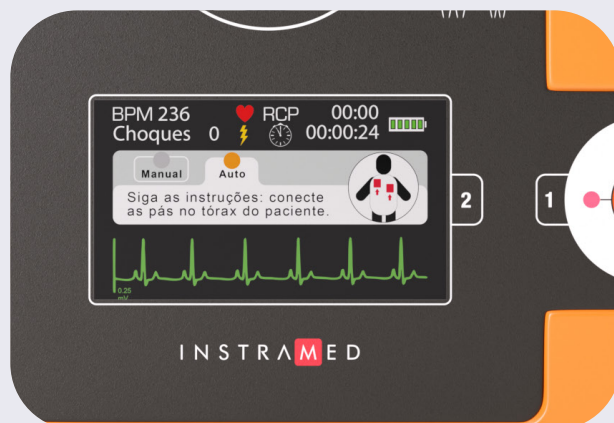


## Optimizing every second.

Advanced technology and software designed to meet the needs of emergency care, wherever it occurs.

## Versatile and intelligent.

Its wide range of optional features allows for greater dynamism and precision in care, such as ECG curve analysis and more effective CPR maneuvers with the assistance of the CPR Maestro.



## Exclusive technology.

Charges up to 360 J in as little as 6 seconds, making it the fastest on the market. Optional in.track System with equipment status and geolocation via cloud access.

**GENERAL SPECIFICATIONS**

- **Dimensions**
  - 225 mm (width).
  - 225 mm (height).
  - 69 mm (depth).
- **Weight**
  - 1.2Kg ~ 1.9Kg.
- **Rechargeable internal battery**
  - Type: Li-ion, 14.4 VDC 4.0 A/h
  - Duração: more than 400 shocks in 200 J or 18 hours of continuous monitoring.
  - Time for battery full charge (fully discharged): 5 hours.
  - Life cycle: 2 years in stand by.
- **Battery power supply charger**
  - Power 100 – 220 V / 50 – 60 Hz.
  - Consumption (maximum): mains supply 1 A.
  - Output: 16.8 VDC, 1 A.
  - Use only Instrameds power supply charger.
- **Battery storage**
  - Storing the battery for a long period of time in temperatures higher than 35°C (95°F) will reduce its capacity and shelf life.
- **Pre-adjusted defibrillation scales**
  - Adult: 1° shock - 150 J; following shocks - 200 J.
  - Child: 50 J.
- **Defibrillation scales adjusted by user (via SoftDEA)**
  - Adult (non rechargeable battery 2800 mAh or rechargeable): scales between 120 J and 360 J.
- **Internal memory storage**
  - 7200 events or 10 hours of ECG recording.
  - Physical storage: 8 Gb.
- **Ambient sound storage**
  - Up to 9 hours (optional).
- **Protection rating**
  - IP56.
- **Classification**
  - Class II, internally energized equipment.
- **Electrical insulation**
  - CF type.
- **Operating mode**
  - Continuous operation.
- **Maximum time from rhythm analysis initiation to shock readiness (360 J)**
  - 25 seconds (rechargeable battery).
- **Maximum time from operation start to shock readiness at maximum energy (360 J)**
  - 25 seconds (rechargeable battery).

- **Non-frequent use equipment**
  - Comply with the requirements for non-frequent use equipment as specified in NBR IEC 60601-2-4 standard.
- **Connectivity**
  - IoT integration and dedicated app (check availability).

**ENVIRONMENTAL SPECIFICATIONS**

- **Temperature**
  - Operational: 0 to 50° C.
  - Storage: - 20° to 50° C.
- **Humidity**
  - Operational: 10 to 95% RH, without condensation.
  - Storage: 10 to 95% RH, without condensation.
- **Altitude**
  - Recommended altitudes: lower than 5.000 meters.

**DEFIBRILLATOR**

- **Waveform**
  - Biphasic truncated exponential. Wave shaped parameters adjusted according to the patient's impedance.
- **Shock application**
  - By means of multifunctional adhesive pads.
- **Commands**
  - Front panel button: on/off.
  - Touchscreen interface.
  - Manual selection button: adult/child.
- **Scales for defibrillation**
  - Adult: adjustable from 120 up to 360 J (via SoftDEA). 1° shock - 150 J; following shocks - 200 J.
  - Child: 50 J.
- **Adults/children selection**
  - Automatic due to the size of the pads.
  - By manual selection button.
- **Charge command**
  - Automatic after identifying arrhythmias that should receive shock.
  - Via touchscreen (on PRO Mode).
- **Shock command**
  - Front panel button, when blinking.
- **Maximum charging time**
  - Rechargeable battery**
  - 50 J: < 2 seconds.
  - 150 J: < 3 seconds.
  - 200 J: < 4 seconds.
  - 270 J: < 5 seconds.
  - 360 J: < 6 seconds.
- **Pads size**

- Adult = area: 82 cm2 (32.3 in2).
- Child = area: 30 cm2 (11.8 in2).

- **Maximum output voltage**
  - 2.000 V.
- **Maximum output current**
  - 80 A (25 Ohms).

**OTHER SPECIFICATIONS**

- **Commands**
  - Touchscreen: allows for the selection of manual mode and defining energy scales.
- **Scales for defibrillation (Manual mode)**
  - Adult: scales between 120 J to 360 J.
  - Child: 10, 20, 30, 40 or 50 J.

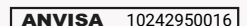
**STANDARDS**

- NBR IEC 60601-1
- NBR IEC 60601-1-2
- NBR IEC 60601-1-6
- NBR IEC 60601-1-8
- NBR IEC 60601-1-9
- NBR IEC 60601-1-11
- NBR IEC 60601-2-4 or equivalent IECs.tt

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