

INSTRAMED

i.on

# Reaches where you are.

The most versatile line of AEDs on the market, catering from the simplest to the most complex situations, without sacrificing the quality and robustness traditionally associated with Instramed products.



i.on

Automated  
External Defibrillator

**Available in 02 models, with LED indicators or LCD display, the i.on line of AEDs is highly customizable and easy to use, even for laypersons.** With a wide range of optional features available (AUTO function, microphone, carrying handle, rechargeable or non-rechargeable battery, among others), the device is always ready to ensure protection with efficiency and reliability. Its high performance combined with advanced technology makes the i.on the perfect tool to meet diverse needs, delivering fast, precise and user-friendly care.

## 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.



Centralizes the device's main functions into a single button, speeding up the care process and making it easier for laypersons to use, increasing the chances of success in emergency treatment.



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
- IP56 protection index
- Carrying handle
- Functional transport bag
- ECG monitoring
- Rechargeable and non-rechargeable Plug-and-Play batteries
- SoftDEA
- IoMT
- AUTO function <sup>(1)</sup>
- Patient select button
- Ambient sound recording
- Storage of curves and events
- CPR Maestro

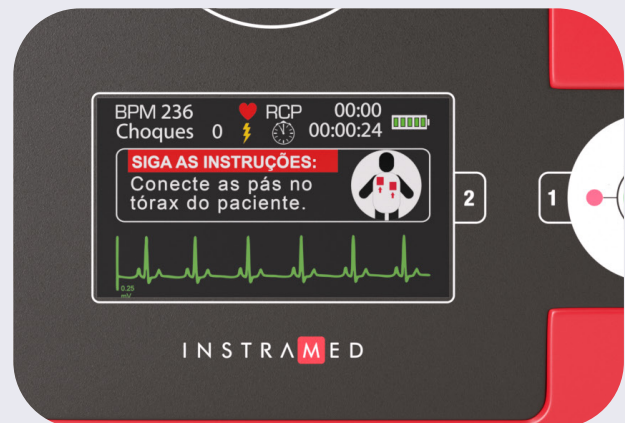


## Optimizing every second.

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.
- **Non-rechargeable internal battery**
  - Type: Manganese Lithium Dioxide (LiMnO2) 18V, 2800 mAh.
  - Battery operation time: more than 400 shocks in 200 J or 18 hours of continuous monitoring.
  - Life cycle: 5 years in standby.
- **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 standby.
- **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).
  - 35 seconds (non-rechargeable battery).
- **Maximum time from operation start to shock readiness at maximum energy (360 J)**
  - 25 seconds (rechargeable battery).
  - 35 seconds (non-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 (rechargeable battery only)**
  - IoMT 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.
  - Manual selection button: adult/child.
- **Scales for defibrillation**
  - Adult: adjustable from 120 up to 360 J (depending on the battery and 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.

- **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.
  - Non-Rechargeable battery**
    - 50 J: < 2 seconds.
    - 150 J: < 5 seconds.
    - 200 J: < 6 seconds.
    - 270 J: < 8 seconds.
    - 360 J: < 10 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).

**STANDARDS**

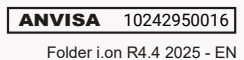
- NBR IEC 60601-1
- NBR IEC 60601-1-2
- NBR IEC 60601-1-6
- NBR IEC 60601-1-8
- NBR IEC 60601-1-9
- NBR IEC 60601-1-11
- NBR IEC 60601-2-4 or equivalent IECs.

(1) Specifically, this function of the equipment does not have a CE certificate.

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