

**GENERAL SPECIFICATIONS (I.on/I.on PRO)**

- **Dimensions:**
  - 225 mm (W).
  - 225 mm (H).
  - 69 mm (D).
- **Weight:**
  - 1.2 Kg (basic) to 1,9 Kg (complete).
- **Non-rechargeable internal battery:**
  - Type: Manganese Lithium Dioxide (LiMnO<sub>2</sub>) 18V, 1400 mAh (optional 1) or 2800 mAh (optional 2).
  - Duration of optional battery 1 (1400 mAh): more than 80 shocks in 200 J or 6 hours of continuous monitoring.
  - Duration of optional battery 2 (2800 mAh): more than 300 shocks in 200 J or 15 hours of continuous monitoring.
- **Rechargeable internal battery:**
  - Type: Li-Ion, 14.4 VDC 4.0 Ah.
  - Duration: 18 hours in heart rate recognition mode (fully charged battery), or a minimum of 400 shocks in 200 J.
  - Time for battery full charge (fully discharged): 5 hours.
- **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 source manufactured by Instramed.
- **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 (automatic): 1<sup>o</sup> shock - 150 J; following shocks - 200 J.
  - Child: 50 J.
- **Defibrillation scales adjusted by user (via SoftDEA):**
  - Adult (non-rechargeable battery 1400 mAh): scales between 120 J and 200 J.
  - Adult (non rechargeable battery 2800 mAh or rechargeable): scales between 120 J and 360 J.
- **Internal memory storage:**
  - 100 events or 2 hours of ECG recording.
- **Ambient sound storage:**
  - Up to 10 hours (optional).
- **Protection rating:**
  - IP56.

- **Classification:**
  - Class II, internally energized equipment.
- **Electrical insulation:**
  - CF type.
- **Operating mode:**
  - Continuous operation.
- **Maximum time from rhythm analysis beginning to discharge readiness:**
  - 200 J: 20 seconds.
  - 360 J: 25 seconds.
- **Maximum time from start of operation beginning to full discharge readiness:**
  - 200 J: 25 seconds.
  - 360 J: 35 seconds.
- **Non-frequent use equipment:**
  - Comply with the requirements for non-frequent use equipment as specified in NBR IEC 60601-2-4 standard.

**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 to use in altitudes lower than 2000 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.
- **Scales for defibrillation:**
  - Adult: adjustable from 120 up to 360 J (depending on the battery and via SoftDEA). 1<sup>o</sup> shock - 150 J; following shocks - 200 J.
  - Child: 50 J.
- **Adults/children selection:**
  - Automatic due to the size of the pads.
- **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 (1400 mAh):**
    - 50 J: < 3 seconds.
    - 150 J: < 8 seconds.
    - 200 J: < 11 seconds.
  - Non-rechargeable battery (2800 mAh):**
    - 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 cm<sup>2</sup> (32.3 in<sup>2</sup>).
  - Child = area: 30 cm<sup>2</sup> (11.8 in<sup>2</sup>).
- **Pads cable length:**
  - 2 meters.
- **Maximum output voltage:**
  - 2000 V.
- **Maximum output current:**
  - 80 A (25 Ω).

**OTHER SPECIFICATIONS (I.on PRO)**

- **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**

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

\*Some items are optional.

Instramed Indústria Médico-Hospitalar Ltda.  
 Beco José Paris, 339 - Pavilhão 19  
 CEP 91140-310 Porto Alegre RS Brasil  
 Tel.: +55 (51) 3073 8200  
 E-mail: comex@instramed.com.br  
**WWW.INSTRAMED.COM.BR**

European Representative:  
**Obelis S.A.**  
 Bd. Général Wahis 53, 1030 - Brussels, Belgium  
 Phone: + 32.2.732.59.54 | Fax: + 32.2.732.60.03  
 E-mail: mail@obelis.net



**i.on i.on**  
 pro

Automated External  
 Defibrillator With Manual  
 Function

Automated  
 External  
 Defibrillator



- AED
- AED WITH MANUAL FUNCTION (I.ON PRO)
- ECG CURVE ON THE SCREEN (optional)
- CPR MAESTRO (optional)
- COMPATIBLE WITH 3-LEAD ECG CABLE FOR MONITORING
- AVAILABLE IN 3 VERSIONS

**bi**phasic  
SHOCK

Auto **CAS** Sequencing

Exclusive Technology **1 TOUCH**

## PRODUCT HIGHLIGHTS

*\*Some items are optional.*

- Compatible with 3-lead ECG cable.\*
  - Biphasic shock up to 360 J.\*
  - IP56 protection index.
  - Weight of only 1.2 Kg.
  - Three different battery options (01 rechargeable or 02 disposable).
  - Ambient sound recording.\*
  - Autocheck of functions and battery.
  - Storage of curves and events.
- Much more economical disposable pads (and completely independent of battery replacement and/or the CPR feedback accessory).
  - SoftDEA software included for connection, feature settings, data downloading and viewing using a PC (via USB).
  - Easily switch between automatic and manual modes with a simple touch on the screen (I.on PRO).

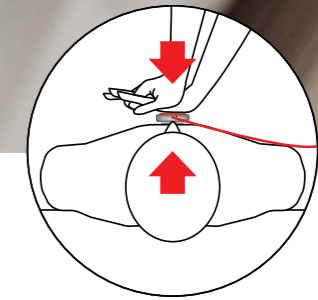
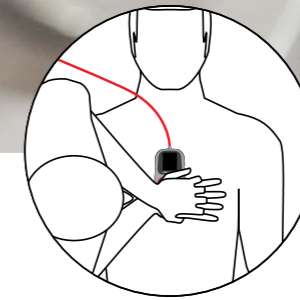
## THE IDEAL PARTNER FOR YOUR I.ON

Positioned on the patient's chest, the CPR Maestro (optional) provides real-time feedback on the rescuer's performance by guiding him through voice and LCD display about the procedure's optimal frequency, strength and interval.

The result is a much more effective and consistent performance of CPR, resulting not only in increased chances of patient survival, but reducing the occurrence of sequelae due to lack of oxygenation.



**CPR Maestro**



New generation of Automated External Defibrillators  
Instramed: the most complete line in the market.



### SIMPLE TO USE

- It evaluates, with sophisticated sensors, the patient's condition, considers the clinical variables and automatically applies the most appropriate shock therapy.
- It allows any individual with basic training to perform the care of a victim in cardiac arrest, facilitating and multiplying the possibilities of life-saving.
- Just press the single front button and follow the guidance by voice and visual indicators.

### ADVANCED

- The I.on PRO model adds the flexibility of manual operation, 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.
- In the touch screen with excellent contrast and viewing area, the user selects the manual operation mode and then the charge up to 360 J.

### INTELLIGENT

- Via the SoftDEA application (included), the Auto-Charge Sequence function can charge preset energies for the first, second and third shocks.
- Through the 3-lead ECG cable, the I.on can act as an Automated External Defibrillator or ECG monitor, alarming when it detects a cardiac arrest situation.
- It has built-in microphone and internal memory allowing digital storage of up to 10 hours of ambient sound (optional).

### RELIABLE

- Instramed technology with robust design used in hundreds of medical organizations, developed for the reality of emergency care.
- A wide network of distributors providing sales of products and parts, along with qualified technical assistance, that provides excellent post-sales service.
- With more than 30 years in the business, Instramed is a manufacturer that maintains stock parts and components even for discontinued products.

**i.on** **i.on**  
pro