



- Integrated adult and child multifunctional pads.
- Charge ready and patient contact indicator on pads.
- Optional pads for internal defibrillation (adult and child).
- Connection for synchronization with external cardiac monitor (cardioversion).



PRACTICAL

- Instant initialization.
- Ready for shock in less than 6 seconds.
- Biphasic energy delivered of up to 360 J, electronically limited to 50 J when used with child pads.
- Light and robust, it has a low and wide base, which facilitates use and allows horizontal operation or vertical attachment.
- Large handles on both sides and no sharp edges design for emergency transport.

EASY TO USE

- Main functions concentrated in just one selector button.
- Infocenter Through the LCD display the user receives information (in Portuguese) about the operation of the equipment and alerts of the functional test.
- Operation on 1, 2, 3
 pattern uses the same
 command layout of the
 CardioMax/DualMax line
 of defibrillators, facilitating
 use by professionals already
 familiar with equipment from
 Instramed, resulting in less
 training time.

RELIABLE

- Reliability Instramed is a brand present in hundreds of medical organizations on more than 60 countries.
- Dependable products developed for the reality of emergency care.
- A wide network of dealers providing sales and parts, along with the factory-certified technical assistance, 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.



GENERAL SPECIFICATIONS

• Dimension with pads:

- 44.5 cm (W).
- 24.5 cm (D).
- 20.0 cm (H).

• Weight:

- Device: 3.0 Kg.
- External set: 0.85 Kg.
- Complete set: 4.75 Kg.

Removable rechargeable battery:

- Type: NiMH, 14.4V DC 4.5 A/h.

• Duration (fully charged battery):

- Minimum of 140 shocks at 360 J or a minimum of 200 shocks at 200 J.
- Time to fully charge the battery (when fully depleted): 8 hours.
- Battery level indication on display.

Optional rechargeable battery*:

- Type: Li-Ion, 14.8 VDC 4.4 A/h
- Duration: 3 hours (fully charged battery), without the printer or a minimum of 140 shocks at 360 J or a minimum of 200 shocks at 200 J.
- Time to fully charge the battery (when fully depleted): 8 hours.
 - * Consult availability.

Consumption (maximum):

- AC: 400 W.
- Battery 15 A.

• Fuse:

- 5 A power supply

• Battery storage:

 Storing the battery for long periods of time in temperatures higher than 35° C will reduce its capacity and lifetime.

Protection index:

- IPX1.

Classification:

- Class I, internally energized.
- CF Type.

Operating mode:

- Continuous operation.

ENVIRONMENTAL SPECIFICATIONS

• Temperature:

- Operational: 0 to 50°C.
- Storage: 0 to 70°C.

Humidity:

- Operational: 10 to 95% RH, without condensation.
- Storage: 10 to 95% RH, without condensation.

DEFIBRILLATOR

• Waveform:

- Biphasic truncated exponential.
- Wave shaped parameters adjusted according to the patient's impedance.

Shock application:

- By means of multifunction pads or external adult/child pads.

• Scales for adult/external defibrillation:

- 5, 10, 15, 20, 30, 40, 50, 80, 100, 150, 200, 250, 300 and 360 J.
Maximum energy limited to 50 J in internal or child pads.

Operation:

- Standard sequence "1-2-3".

Selector key:

 Allows turning the equipment on and off, selecting energy scales and activating functional test mode.

Command keys:

- Charge, Shock, Disarm and Sync (Synchronism).

Charge command:

- CHARGE button in fron panel, button in external pads.

Shock command:

- SHOCK button in front panel, buttons in external pads.

• Disarm command:

- DISARM button in front panel.

Synchronized command:

- SYNC button in front panel.

Charge indicators:

 Audio indication of equipment being charged, áudio indication of charge completed, LED on external pads and charge level indicated on display.

Maximum charge time in maximum energy:

- < 6s with 90% to 100% of the minimum specified voltage.
- < 6s with a full charge.
- < 13s from equipment initialization.

• External pads size:

- Adult = $10.3 \text{ cm x } 8.5 \text{ cm} \text{Area: } 81.9 \text{ cm}^2$
- Children = $4.5 \text{ cm x } 4 \text{ cm} \text{Area: } 18 \text{ cm}^2$

Automatic internal discharge:

- 30 seconds.

Synchronism:

- Synchronism circuit with external signal of 1V/mV of a cardioscope or electrocardiograph.

Time of synchronized discharge:

- < 60 ms after R wave peak.

Maximum output voltage:

- 2000 V.

Maximum output electric current:

- 80 A (25 Ω).

Defibrillation pads:

- External adult and child (included).
- Internal adult and child (optional).

DISPLAY

• Battery level indication:

- Yes

• Size:

- 99 mm x 19 mm.

• Type:

- Alphanumeric LCD.
- 12.5, 25 e 50 mm/s.

STANDARDS

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

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