



The technologically advanced Ischemia Equipment **TORNIMED HCM 700A** is light, portable and independent. It has an electro-pneumatic system and is fully automatic; designed for all interventions that need to be made with ischemia of a member.

It carries out constant control of the pressure level selected, responding rapidly to the demand of the sleeve and checking even the slightest leak, thanks to the air accumulation tank.

SLEEVE INFLATION IN LESS THAN 5 SECONDS

Operating on mains connection or with its internal battery with more than 2 hours operation without being connected to the electric mains. There is no need for pneumatic connection as it has its own compressor.

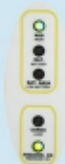
Also features two visualisation cards and independent control for each of the sleeves individual programming and control of the levels of Pressure and Time.

Digital green light display for easy visualisation of pressure and time of ischemia with membrane Keys for programming.

Equipped with alarms (Ischemia time and Low battery).

TECHNICAL CHARACTERISTICS

- Consumption: 50W –
- Compressor with capacity of 1m³/h at 2 Bar.
- Electric power supply: between 80÷ 260 VAC. 50-60 Hz.
- Internal reserve air accumulation tank with pressure from between 1 to 2 Bar.
- Pressure selector of 0 to 600 mmHg. (Low demand other pressures)
- Time selector from 0 to 99 minutes. Activates alarm and begins again successively.
- Display of 3 digits that makes it possible to visualise the pressure in real time and preselected time.
- Display of 2 digits to visualise the time passed and the time preselected.
- Alarm cancellation button when activated for exceeding the preset time.
- Dimensions: Width 300mm. Height 200mm. Depth 285mm.
- Weight 6,5 Kg.



THE ELECTRONIC EQUIPMENT CONSISTS OF:

- Two visualisation and control panels, situated on the front of the box, accessed via a polycarbonate film placed on top.
- A pressure regulating panel for the compressor with alarm control and universal power supply switching (80-260 VAC) at 50 W., which also includes battery loading regulation (12V, 2.2 A/hour), situated inside the unit.
- A panel of alarm LEDs installed in the front next to the control panels.
- Universal changeover type power source connectable to networks of 50 and 60 Hz between 80 and 260 VAC, with continuous use potential from 50 W to 14 VDC.

Charging regulator for a lead battery of 12 V and 2.2 A/hour.

FET logic transmitter for compressor engine control.

Microprocessed system based on micro flash AT89C2051 with 12 Mhz crystal. Programmed to control the starting and stopping of the compressor via a START STOP button with minimum and maximum pressurestats, and control of the following alarm and condition LEDs:

LED indicating operation with mains voltage.

LED indicating operation with battery voltage.

LED indicating low battery.

LED indicating charging-compressor.

LED indicating correct pressure in tank (between 1 and 2 bar).

Start and stop control of the compressor in BATTERY-mode depending on the charge level of the battery. This function will not work when the battery is LOW.

Connectors for alternative power points, compressor motor, pressurestats, control and alarm panels.

Five red-green LEDs of 5 mm diameter to indicate the condition and alarms of the ischemia tourniquet control equipment situated next to the control panels on the front.

ACCESSORIES (OPTIONAL):

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|--------------------------------------|-------------|-------------|
| § Sleeve arm child / adult: | 27 x 07 cm. | 35x 10 cm. |
| § Sleeve leg child / adult: | 35 x 10 cm. | 90 x 13 cm. |
| § Double sleeve arm / leg: | 60 x 12 cm. | 90 x15 cm. |
| § Cone sleeve leg: | 90 x 13cm | |
| § Table with movable leg and basket. | | |

