



MegaPulse

Defib-5PF-005

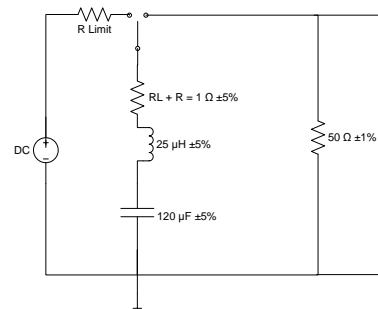
PN:00-MPDefib-5PF-005

❖ IEC 60601-2-31:2020 Surge Tester, Fig.201.101, 400-900V Peak.



*Actual products may vary depending on options and configuration.

Complies with the standard IEC60601-2-31:2020 test of defibrillation protection, providing a decaying exponential waveform presented in figure 20.101, maximum peak voltage of 900V +2.5%, and energy of 50-55 joules, duration time of 4.05-4.6mS and a discharge resistor of $50\Omega \pm 1\%$.



➤ Features

- Digital output voltage knob on the front panel.
- Microcontroller technologies.
- Integrated High Voltage on hold circuit.
- Front panel indicates internal HV and polarity.
- Polarity button selector on the front panel.
- External interlock disables HV output and defeats test when circuit is open.
- Optional USB TestMinder, computer control.
- Leads, manual and calibration certificate included.
- ISO17025 Calibration available.
- One year calibration cycle.
- One year warranty.



➤ Specifications

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|-----------------------------|--|
| Max Peak Voltage: | 900V ±2%. |
| Main Capacitance: | 120uF ±5%. |
| Inductances: | 25uH ±5%. |
| Virtual Impedance: | 1Ω. |
| Discharge Resistor | 50Ω. |
| Open Circuit Duration Time: | 4.05-4.6mS |
| Current Waveform: | Not defined. |
| Charge Time: | <7 seconds. |
| Voltage Control: | Manually, by turning a knob in the front panel or via USB. |
| Polarity Control: | Positive and Negative. Alternating control available with USB. |
| Voltage Display: | 4 Digit LED Display. |
| Voltage Meter resolution: | 5V. |
| Voltage Meter Accuracy: | ±1%. |
| Duty Cycle: | 12s between pulses, continuous duty. |
| Line Voltage: | 120V AC, 50/60Hz. 230V AC ±10%, 50 Hz ±1 Hz (CE for EU). |

➤ Environmental

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|--------------------------|-----------------------|
| Operating Temperature: | 15-40°C. |
| Relative Humidity Range: | 0-90% non-condensing. |

➤ General

| | |
|------------------|---|
| Dimensions: | 17" wide x 3U high x 17" deep. |
| Weight: | 30 lbs approx. |
| Product Package: | <ul style="list-style-type: none"> • Megapulse Defib-5F-005 Tester. • Megapulse Defib-5F-005 User Manual. • High Voltage Test Leads Qty 1 (Red), Qty 1 (Black) • NIST traceable calibration certificate to ANSI Z540 • Calibration waveforms |

➤ Options

| | |
|-------------------------|--|
| 00-TMM-PF: | TestMinder for MegaPulse PF series w/repetitive pulse capability. |
| 00-BNCV: | Voltage BNC 1000:1 (for reference only). |
| 00-MP-BB-002: | IEC60601-2-31:2020 figure 201.105 – MegaPulse breakout box for Defib-5PF-005, 5 channel 80Ω ±1%. |
| 00-MP220, MP230, MP240: | 220V, 230V or 240V mains tester operation available. |
| 00-CASE-6U: | Pelican Case with foam for 3U and 6U units. |

Rev 2.0

