

Smart DC Hipot Model 480-10E



Testing Applications

Measures output voltage, leakage current, and insulation resistance.

- Output voltage up to 80 kV DC
- Leakage current up to 10 mA

The model 480-10E smart DC hipot is a cutting-edge dielectric test instrument designed with an emphasis on operator safety, versatility and ease of use. Complying with the most rigorous safety requirements, the system is divided into two modules, a control unit and a high voltage generation unit. Additional safety features include an emergency stop switch and a built-in sound alarm. Furthermore, the ability to fully remote control the instrument from an Android device — both to program the settings as well as to perform the tests — provides increased safety protection and greater comfort for the operator. A built-in microprocessor allows the user to adjust the output voltage, test duration, maximum leakage current and ramp slope, allowing for more complex tests to be carried out automatically.

- **Lightweight** and **ruggedly constructed** for years of field use
- **Remote control** via **Bluetooth** connection to **Android™** devices
- **Android** and **Windows software** included (optional **Labview driver** available)
- **Built-in** memory



Safety and Design Features

- Remote control via Bluetooth
- Digital & bar graph reading
- “Pass-Fail” LED indicator
- Audible alarm
- Emergency Off pushbutton
- Adjustable parameters: voltage, maximum leakage current, ramp and test duration
- Self-detection of sparks
- Built-in memory
- USB interface
- IP54 protection (with lid closed)
- Complies with IEC 61010-1



Specifications

INPUT	Voltage/Current	100-240 V, 960 VA
	Frequency	50/60 Hz
DC OUTPUT	Voltage/Current	0-80 kV, 10 mA
	Ripple	<2%
	Polarity	Negative output, positive ground
TEST VOLTAGE	Resolution	100 V between 10 kV and 80 kV 10 V up to 9.99 kV
	Accuracy	±(2% of nominal value ±2 digits) with 1 mA load
LEAKAGE CURRENT MEASUREMENT		Max. 10 mA
	Resolution	0.01 mA
	Accuracy	±(2% of nominal value ±2 digits)
INSULATION RESISTANCE MEASUREMENT		From 1 MΩ to 40 GΩ
	Accuracy	±10% of the measured value
BUILT-IN TIMER		Up to 20 minutes
OPERATING TEMPERATURE		23°F to 122°F (-5°C to 50°C)
STORAGE TEMPERATURE		-13°F to 158°F (-25°C to 70°C)
HUMIDITY		<95%, non-condensing
DIMENSIONS & WEIGHT	Controls	17.5" L x 14.2" W x 7.5" H (450 x 360 x 190 mm) 15.43 lbs (7 kgs)
	High Voltage Module	17.5" L x 14.2" W x 7.5" H (450 x 360 x 190 mm) 15.65 lbs (7.1 kgs)
ACCESSORIES included		1 Interconnection cable (controller module), 9.84' (3 m)* 1 High voltage cable, 19.68' (6 m)* 1 Return cable HV, 19.68' (6 m)* 1 Protective grounding cable, 16.40' (5 m) 1 Power cable 1 USB cable 1 Carrying bag 1 User guide 1 Software <i>*Different lengths available upon request.</i>



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Compliant