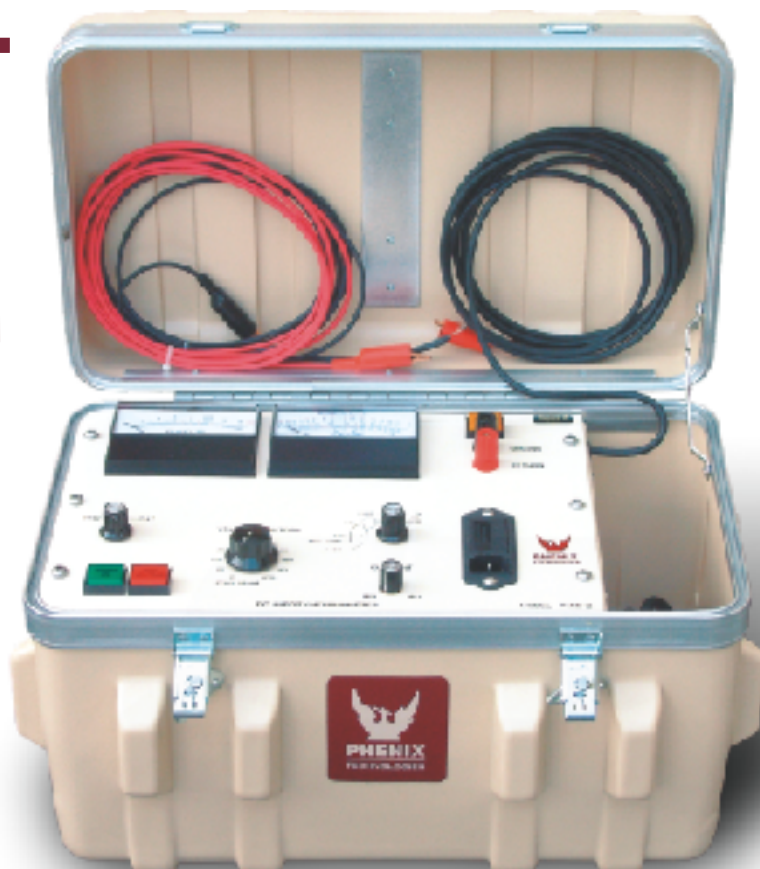




# PORTABLE DC HIPOT TESTER WITH MEGOHMMETER

## Application

The PM15-2 is built with the most advanced high voltage technology available. The combination DC Hipot/high voltage Megohmmeter makes the PM15-2 extremely versatile and thus valuable for field or in-house applications. It incorporates a variable overcurrent trip circuit which will instantly de-energize the High Voltage power supply if such a condition is encountered. The trip setting can be as low as 10% or as high as approximately 110% of full scale reading. Overcurrent trip is indicated by an audible alarm. Designed with the technician in mind, the PM15-2 utilizes the latest in switching power supply technology which produces less ripple (.4% pk-pk at full output) and brings the total weight of the unit down to an incredible 15 lbs (6.8kgs).



MODEL PM15-2

## Standard Features

- Integral megohmmeter measures insulation resistance up to 1,000,000 MOhms @ 5kV, 2,000,000 MOhms @ 10kV, and 3,000,000 MOhms @ 15kV.
- Output voltage is continuously variable to 15 kVDC
- "Zero Start" Safety interlock
- Adjustable overcurrent trip point
- Large easy-to-read analog meters
- Fully regulated output voltage
- Internal short circuit protection
- Illuminated pushbutton Guard Mode selection bypasses stray or unwanted leakage current
- Integrated cable storage bin
- Light weight, rugged design
- Off Zero and overcurrent trip buzzer

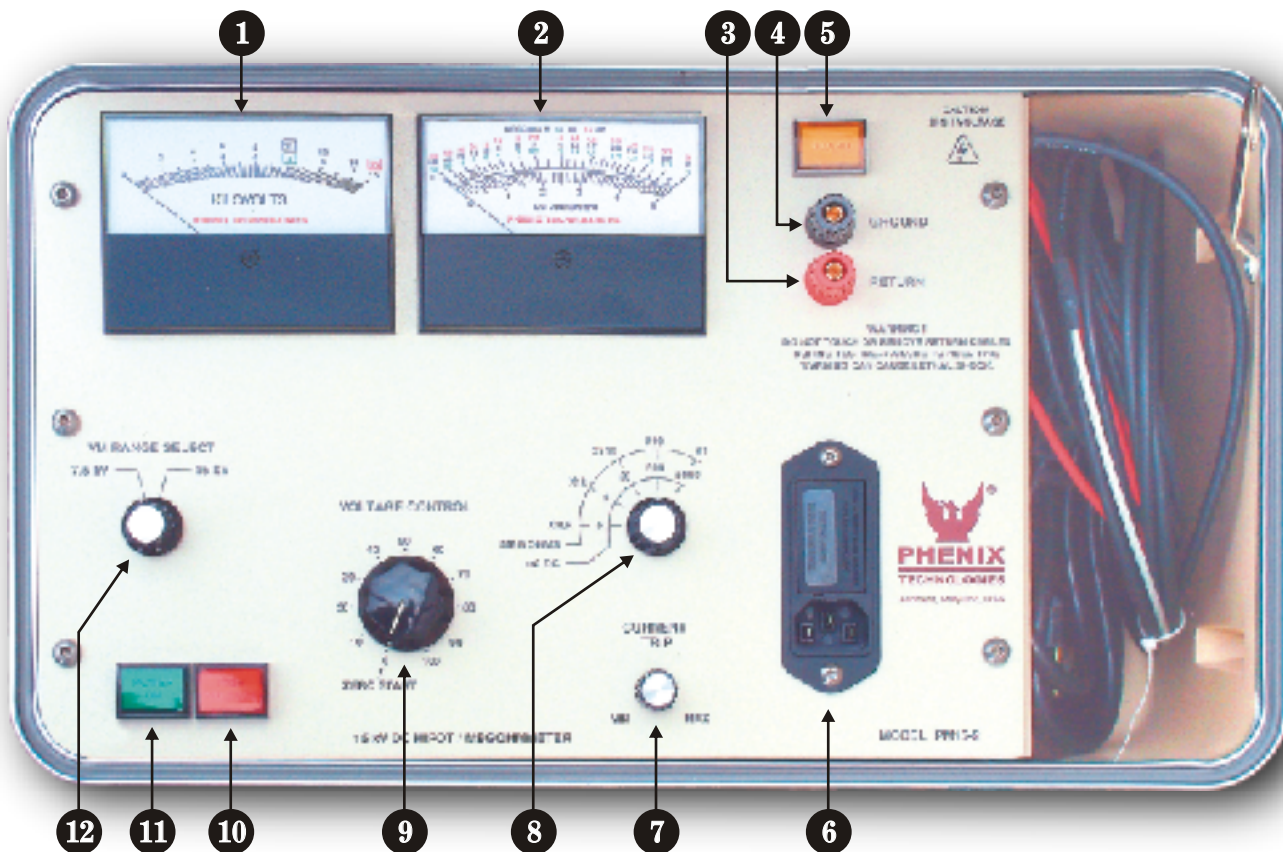
## Specifications\*

- INPUT: 120 V or 220 V, 50/60 Hz\*\*
- OUTPUT: 0-15 kVDC @ 2 mA
- INSTRUMENTATION
- Voltmeter: 3 1/2" analog, 0-7.5/15 kVDC
- Current/Megohmmeter:
  - 3 1/2" analog,
  - 0-0.5/5/50/500/5000 microamps DC
  - 2.5-100/1,000/10,000/100,000/1,000,000 MOhms @ 5kV
  - 5-200/2,000/20,000/200,000/2,000,000 MOhms @ 10kV
  - 7.5-300/3,000/30,000/300,000/3,000,000 MOhms @ 15kV
- Accuracy: +/-2% F.S.
- Input Cables: 7 ft., 3 prong with ground
- Output Cables: 10 ft. shielded output cable  
10 ft. Return and Ground cables
- Dimensions: 18" W (457 mm) x 11" D (279 mm)  
x 12" H (305 mm)
- Weight: 15 lbs (6.8kg)

\* Based on our commitment to continual research and development PHENIX Technologies reserves the right to update product specification without notice!

\*\* Voltage must be specified.

## Component Identification



### Key

- |                                       |                                       |  |                         |
|---------------------------------------|---------------------------------------|--|-------------------------|
| 1. Dual range voltmeter               | 4. Ground terminal                    | 7. Trip setting adjust knob                      | 10. High Voltage ON/OFF |
| 2. DC currentmeter<br>and megohmmeter | 5. Guard switch/lamp                  | 8. Selector switch for DC<br>current and megohms | 11. Power ON/OFF        |
| 3. Return terminal                    | 6. Fused receptacle<br>for power line | 9. Output voltage control                        | 12. Voltmeter range     |

## The PHENIX Technologies Product Line

- High Voltage AC Dielectric Test Sets
- Resonant Test Sets
- Variable Frequency Resonant Test Sets
- DC Hipots and Insulation Test Sets
- Automatic Insulating Material Testers (D149)
- Microhmmeters
- Liquid Dielectric Test Sets
- Megohmmeters
- AC/DC Kilovoltmeters
- Partial Discharge Detector
- Vacuum/Oil Interrupter Testers
- Bucket Truck Testers
- High-Frequency Cable Aging Test Sets
- Heat Cycling Test Sets
- Rubber Goods-Protective Equipment Testers
- Core Loss Testers
- AC, DC and AC/DC Motor Test Sets
- Water Brake Dynamometers
- Transformer Test Sets
- Frequency Response Analyzer
- High Current / Circuit Breaker Test Sets
- Recloser Test Sets
- DC Power Supplies
- High Voltage DC Cable Thumpers
- High Voltage Terminations
- High Power Column-Type Variable Transformers
- High Power Thoma-Type Variable Transformers
- Voltage and Current Stabilizers
- Impulse Generators/Standard Capacitors/  
Coupling Capacitors

Your local representative is

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