



# AC, DC, or AC/DC Hipot/Megohmmeters

## Models PAD10-25, PAD56, PM6, and PM15-2

- Lightweight and ruggedly constructed for years of field use
- Units feature easy to read meters and user-friendly controls

### TESTING APPLICATIONS

Dielectric withstand testing, insulation resistance and leakage measurements.

All models measure leakage current flow through (or insulation resistance levels of) the ground insulation of the test object.

Use for testing switchgear, cables, motors, generators and many other devices.

Use for predictive, preventive maintenance on electrical apparatus.

### SAFETY & DESIGN FEATURES included on all models:

- Zero start interlock
- Guard circuit for stray leakage current bypass
- Surge and transient protection
- Direct megohm readings
- Internal short circuit protection
- Adjustable output current limit



Model PAD10-25



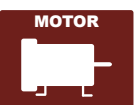
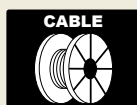
Model PAD56



Model PM6



Model PM15-2





**Model PAD10-25**



**Model PAD56**

| Model PAD10-25                                   |  |            |            |               | Model PAD56  |               |
|--|--|------------|------------|---------------|--|---------------|
| AC and DC testing capability 10 kV AC / 25 kV DC |  |            |            |               | AC and DC testing capability 5 kV AC / 6 kV DC   |               |
| LEAKAGE CURRENT                                  | .02-5,000 microamps DC<br>.1-10 milliamps AC<br>Read directly on front panel meter   |            |            |               | .01-5,000 microamps DC<br>.1-5 milliamps AC<br>Read directly on front panel meter  |               |
| INSULATION RESISTANCE                            | Values up to 150,000 MΩ<br>At test voltages of 0.5, 2.5, 5, or 15 kV DC<br>(a scale factor for other test voltages is provided)<br>Read directly on front panel meter  |            |            |               | Values up to 1,000,000 MΩ<br>At test voltages of 2.5 or 5 kV DC<br>(a scale factor for other test voltages is provided)<br>Read directly on front panel meter  |               |
| INPUT  | 120 VAC, 60 Hz, single phase, 1.2 Amps<br>or 230 VAC, 50/60 Hz, single phase, .6 Amps  |            |            |               | 120 VAC, 60 Hz, single phase, .3 Amps<br>or 230 VAC, 50/60 Hz, single phase, .15 Amps  |               |
| OUTPUT   | ≈0-10 kV AC, 0-10 milliamps<br>≈0-25 kV DC, 0-5 milliamps<br>Negative output, positive ground  |            |            |               | ≈0-5 kV AC, 0-5 milliamps<br>≈0-6 kV DC, 0-5 milliamps<br>Negative output, positive ground   |               |
| METERING   | 4½" analog meter<br>Accuracy: ±2% of full scale  |            |            |               | 3½" analog meter<br>Accuracy: ±2% of full scale  |               |
| VOLT-METER                                       | 3-ranges: 0-5/10/25 kV   |            |            |               | 2-ranges: 0-3/6 kV   |               |
| CURRENT  | 0-1/10 milliamps AC<br>0-10/100/1000/5000 microamps DC   |            |            |               | 0-5 milliamps AC<br>0-.5/5/50/500/5000 microamps DC  |               |
| RESISTANCE MΩ                                    | @ 500 V  | @ 2,500 V  | @ 5,000 V  | @ 15,000 V    | @ 2500 V   | @ 5,000 V     |
|  | .05-5  | .25-25     | .5-50      | 1.5-150       | .5-50  | 1-100         |
|  | .5-50  | 2.5-250    | 5-500      | 15-1,500      | 5-500  | 10-1,000      |
|  | 5-500  | 25-2,500   | 50-5,000   | 150-15,000    | 50-5,000   | 100-10,000    |
|  | 50-5,000   | 250-25,000 | 500-50,000 | 1,500-150,000 | 500-50,000   | 1,000-100,000 |
|  |  |            |            | 5,000-500,000 | 10,000-1,000,000   |               |
| UNIQUE FEATURES                                  | <ul style="list-style-type: none"> <li>Adjustable overcurrent trip point</li> <li>External interlock provision</li> <li>Internal discharge device</li> <li>Guarded measurement circuit</li> <li>Multi-range current and voltage measurement</li> </ul> |            |            |               | <ul style="list-style-type: none"> <li>Adjustable overcurrent trip point</li> <li>Internal discharge device</li> <li>Guarded measurement circuit</li> <li>Multi-range current and voltage measurement</li> </ul> |               |





**Model PM6**

**Model PM15-2**

|   |   |  |   |                  |                  |
|---|---|--|---|------------------|------------------|
| DC testing capability 6 kV DC   |   | DC testing capability 15 kV DC   |   |                  |                  |
| LEAKAGE CURRENT   | .01-5,000 microamps DC<br>Read directly on front panel meter  |  | .01-2,000 microamps DC<br>Read directly on front panel meter  |                  |                  |
|   | INSULATION RESISTANCE   |  | INSULATION RESISTANCE   |                  |                  |
| Values up to 1,000,000 MΩ<br>At test voltages of 2.5 or 5 kV DC<br>(a scale factor for other test voltages is provided)<br>Read directly on front panel meter |   | Values up to 3,000,000 MΩ<br>At test voltages of 5, 10 or 15 kV DC<br>(a scale factor for other test voltages is provided)<br>Read directly on front panel meter |   |                  |                  |
| INPUT   | 120 VAC, 60 Hz, single phase, .3 Amps<br>or 230 VAC, 50/60 Hz, single phase, .15 Amps   |  | 120 VAC, 60 Hz, single phase, 1 Amps<br>or 230 VAC, 50/60 Hz, single phase, .5 Amps   |                  |                  |
| OUTPUT  | ≈0-6 kV DC, 0-5 milliamps<br>Negative output, positive ground   |  | ≈0-15 kV DC, 0-2 milliamps<br>Negative output, positive ground  |                  |                  |
| METERING  | 3½" analog meter<br>Accuracy: ±2% of full scale   |  | 3½" analog meter<br>Accuracy: ±2% of full scale   |                  |                  |
| VOLT-METER  | 2-ranges: 0-3/6 kV  |  | 2-ranges: 0-7.5/15 kV   |                  |                  |
| CURRENT   | 0-.5/5/50/500/5000 microamps DC   |  | 0-.5/5/50/500/5000 microamps DC   |                  |                  |
| RESISTANCE MΩ   | @ 2500 V  | @ 5,000 V  | @ 5,000 V   | @ 10,000 V       | @ 15,000 V       |
|   | .5-50   | 1-100  | 1-100   | 2-200            | 3-300            |
|   | 5-500   | 10-1,000   | 10-1,000  | 20-2,000         | 30-3,000         |
|   | 50-5,000  | 100-10,000   | 100-10,000  | 200-20,000       | 300-30,000       |
|   | 500-50,000  | 1,000-100,000  | 1,000-100,000   | 2,000-200,000    | 3,000-300,000    |
|   | 5,000-500,000   | 10,000-1,000,000   | 10,000-1,000,000  | 20,000-2,000,000 | 30,000-3,000,000 |
| UNIQUE FEATURES   | <ul style="list-style-type: none"> <li>Adjustable overcurrent trip point</li> <li>Guarded measurement circuit</li> <li>Multi-range current and voltage measurement</li> <li>External discharge stick recommended</li> </ul> |  | <ul style="list-style-type: none"> <li>Adjustable overcurrent trip point</li> <li>Low ripple 0.4% peak-peak at full output</li> <li>Guarded measurement circuit</li> <li>Multi-range current and voltage measurement</li> <li>External discharge stick recommended</li> </ul> |                  |                  |



| Model PAD10-25  |                     |   | Models PAD56, PM6, PM15-2   |  |  |
|-----------------|---------------------|---|---|--|--|
| CABLES INCLUDED | Input               | 10' (3 m) Standard modular 3-wire cord mating to fused input module | 10' (3 m) Standard modular 3-wire cord mating to fused input module |  |  |
|                 | High Voltage Output | 10' (3 m) <b>removable</b> shielded cable with clip and insulator   | 10' (3 m) <b>attached</b> shielded cable with clip and insulator    |  |  |
|                 | Return Lead         | 10' (3 m) red lead with insulated clip                              | 10' (3 m) red lead with insulated clip                              |  |  |
|                 | Ground Lead         | 10' (3 m) green lead with insulated clip                            | 10' (3 m) green lead with insulated clip                            |  |  |

## DIMENSIONS & WEIGHT

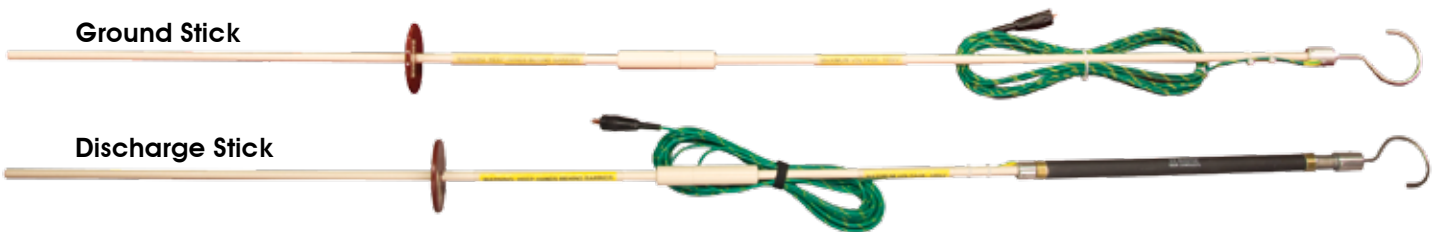
|    | Model PAD10-25  | Model PAD56     | Model PM6       | Model PM15-2   |
|----|-----------------|-----------------|-----------------|----------------|
| L  | 16.5" (419 mm)  | 18" (457 mm)    | 18" (457 mm)    | 18" (457 mm)   |
| W  | 15.25" (388 mm) | 11" (279 mm)    | 11" (279 mm)    | 11" (279 mm)   |
| H  | 11.25" (286 mm) | 11.5" (292 mm)  | 11.5" (292 mm)  | 11.5" (292 mm) |
| WT | 38 lbs (17 kgs) | 23 lbs (10 kgs) | 22 lbs (10 kgs) | 16 lbs (7 kgs) |

## SHIPPING SIZE

|    | Model PAD10-25  | Model PAD56     | Model PM6       | Model PM15-2   |
|----|-----------------|-----------------|-----------------|----------------|
| L  | 21" (533 mm)    | 21" (533 mm)    | 21" (533 mm)    | 21" (533 mm)   |
| W  | 21" (533 mm)    | 15" (381 mm)    | 15" (381 mm)    | 15" (381 mm)   |
| H  | 16" (406 mm)    | 16" (406 mm)    | 16" (406 mm)    | 16" (406 mm)   |
| WT | 45 lbs (20 kgs) | 26 lbs (12 kgs) | 25 lbs (11 kgs) | 20 lbs (9 kgs) |

## RECOMMENDED ACCESSORIES

- Model GS100-2 Ground Stick, 2-piece design, with a 25' (8 m) ground lead
- Model DS100-2 Discharge Stick (100 kV, 100 kΩ, 50 kJ), 2-piece design, with a 25' (8 m) ground lead



High Voltage • High Current • High Power Test Systems and Components



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