

AC, DC, or AC/DC Hipot/Megohmmeters

Testing Applications

- Used for testing the insulation of switchgear, cables, motors, transformers, generators, and many other electrical devices.
- Models available with additional testing capabilities including:
 - Dielectric withstand testing
 - Leakage measurements
 - Leakage current flow through (or insulation resistance levels of) the ground insulation of the test object
- An excellent auxiliary device for detecting cable failures
- Use for predictive, preventive maintenance on all electrical apparatus

Models Available

- PAD56
- PM5
- PM15-2
- PM20

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



Model PAD56



Model PM5



Model PM15-2



Model PM20

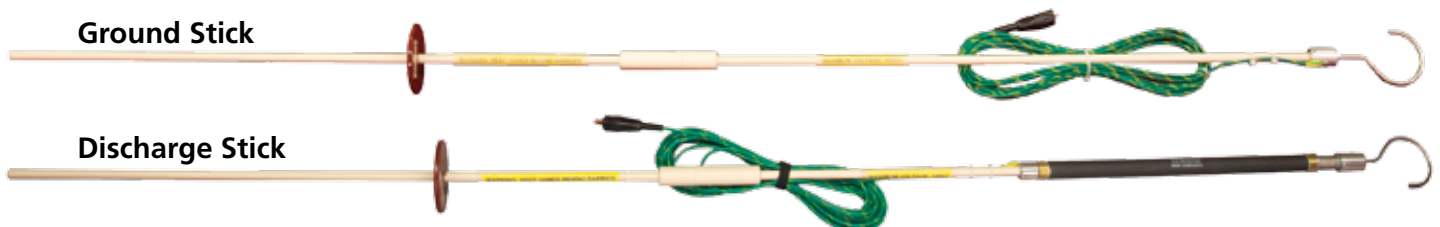


MODEL	PAD56 AC and DC testing capability 5 kV AC / 6 kV DC		PM15-2 DC testing capability 15 kV DC		
INSULATION RESISTANCE	Values up to 1,000,000 MΩ At test voltages of 2.5 kV or 5 kV DC (a scale factor for other test voltages is provided)		Values up to 3,000,000 MΩ At test voltages of 5 kV, 10 kV, 15 kV DC (a scale factor for other test voltages is provided)		
LEAKAGE CURRENT	.01-5,000 microamps DC .1-5 milliamps AC		.01-2,000 microamps DC		
INPUT	120 VAC, 60 Hz, single phase, .3 Amps or 230 VAC, 50/60 Hz, single phase, .15 Amps		120 VAC, 60 Hz, single phase, 1 Amps or 230 VAC, 50/60 Hz, single phase, .5 Amps		
OUTPUT	≈0-5 kV AC, 0-5 milliamps ≈0-6 kV DC, 0-5 milliamps Negative output, positive ground		≈0-15 kV DC, 0-2 milliamps Negative output, positive ground		
METERING	3½" analog meter Accuracy: ±2% of full scale		3½" analog meter Accuracy: ±2% of full scale		
VOLT-METER	2-ranges: 0-3/6 kV		2-ranges: 0-7.5/15 kV		
CURRENT METER	0-5 milliamps AC 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
SAFETY & DESIGN FEATURES	<ul style="list-style-type: none"> Adjustable overcurrent trip point Zero start interlock Direct megohm readings 		<ul style="list-style-type: none"> Guarded measurement circuit Surge and transient protection Internal short circuit protection 		<ul style="list-style-type: none"> Multi-range current and voltage measurement Guard circuit for stray leakage current bypass Adjustable output current limit
UNIQUE FEATURES	<ul style="list-style-type: none"> Internal discharge device 		<ul style="list-style-type: none"> Low ripple 0.4% peak-peak at full output 		
CABLES INCLUDED	Input	10' (3 m) Standard modular 3-wire cord mating to fused input module			
	High Voltage Output	10' (3 m) attached shielded cable with clip and insulator (removable on model PAD10-25)			
	Return Lead	10' (3 m) red lead with insulated clip			
	Ground Lead	10' (3 m) green lead with insulated clip			

MODEL	PM5 DC testing capability 5 kV DC	PM20 DC testing capability 20 kV DC
INSULATION RESISTANCE	Values up to 10,000,000 MΩ At test voltages of 0.5 kV, 1 kV, 2.5 kV, 5 kV DC (a scale factor for other test voltages is provided)	Values up to 4,000,000 MΩ At test voltages of 5 kV, 10 kV, 15 kV, 20 kV DC (a scale factor for other test voltages is provided)
INPUT	Internal Rechargeable Battery or Input Power Cord 100-240 VAC, 50/60 Hz	Internal Rechargeable Battery or Input Power Cord 100-240 VAC, 50/60 Hz
OUTPUT	0.5 kV, 1 kV, 2.5 kV, 5 kV DC	5 kV, 10 kV, 15 kV, 20 kV DC
METERING	4" analog meter Accuracy: ±2% of full scale	4" analog meter Accuracy: ±2% of full scale
CURRENT	Short circuit 1 mA ±2%	Short circuit 500 µA ±5%
INTERNAL CURRENT LIMITING RESISTANCE	500 kΩ @ 500 V	10 MΩ @ 5 kV
	1 MΩ @ 1 kV	20 MΩ @ 10 kV
	2.5 MΩ @ 2.5 kV	30 MΩ @ 15 kV
	5 MΩ @ 5 kV	40 MΩ @ 20 kV
UNIQUE FEATURES	<ul style="list-style-type: none"> • Guard terminal • Rechargeable battery • Multiple scales for greater accuracy 	
CABLES INCLUDED	2 Measuring test leads 6' (1.8 m) 1 Guard test lead 1 Charging power cord	

Recommended Accessories (refer to brochure no. 40402 for all sticks offered)

- 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



Dimensions & Weight

Model	PAD56	PM15-2	PM5	PM20
L	18" (457 mm)	18" (457 mm)	11" (279 mm)	15" (381 mm)
W	11" (279 mm)	11" (279 mm)	10" (254 mm)	12" (305 mm)
H	11.5" (292 mm)	11.5" (292 mm)	5" (127 mm)	7" (178 mm)
WT	23 lbs (10 kgs)	16 lbs (7 kgs)	9 lbs (4 kgs)	22 lbs (10 kgs)

Shipping Size

Model	PAD56	PM15-2	PM5	PM20
L	21" (533 mm)	21" (533 mm)	21" (533 mm)	21" (533 mm)
W	15" (381 mm)	15" (381 mm)	15" (381 mm)	15" (381 mm)
H	16" (406 mm)	16" (406 mm)	16" (406 mm)	16" (406 mm)
WT	26 lbs (12 kgs)	20 lbs (9 kgs)	15 lbs (6.8 kgs)	30 lbs (13.6 kgs)

A-RENT



PHENIX TECHNOLOGIES

WORLD HEADQUARTERS

Phenix Technologies, Inc.
75 Speicher Drive
Accident, MD 21520 USA
Ph: +1.301.746.8118
Fx: +1.301.895.5570
Info@phenixtech.com

BRANCH OFFICES

Phenix Systems AG
Riehenstrasse 62A, 4058 Basel, Switzerland
Ph: +41.61.383.2770, Info@phenixsystems.com

Phenix Asia
Zhong Cheng Rd, Sec 1, No 177, 2F, Taipei 11148 Taiwan
Ph: +886.2.2835.9738, Fx: +886.2.2835.9879, Info@phenixasia.com

ISO
9001:2008
Compliant



www.phenixtech.com

© Copyright – Phenix Technologies, Inc. 7/2018

A-RENT

a-rent.com

(IL) 630.748.8900
(TX) 713.564.8900

sales@a-rent.com