



# POWER ELECTRONICAL

Insulation Quality Testing Experts

<http://www.powerelectronical.com/>

## *PE-HVT-AMXX-YYY Hipot Tester AC/DC*

Insulation testing is very important for maintaining safety of user and equipment. Deterioration of insulation voltage below an acceptable point can sometime lead to hazards and electrical catastrophes. Hence standards demand the Insulation Testing of almost all electrical equipments, electrical products and their parts thereof. Insulation levels are different for different products and assemblies and are based upon their working voltage levels.

Power Electronical's PE-HVT-M series of Automatic Hipot testers are build to test the Breakdown voltage of Insulation Dielectric, while ensuring that the user safety is never compromised. Power Electronical Hipot testers come in the largest variety of options AC, DC, AC&DC, and in a variety of Voltage (up to 500kV) and Current (up to 500mA) levels, to cater to different requirements of customers

In the inset below is the picture of Hipot AC tester 30kV/300mA at customer premises, at Cairo Egypt



### Features

- Continuously variable Voltage, motorized version also available
- Option of AC o/p or DC o/p
- Variable current trip levels 10% to 100% of maximum
- World's only "True VHipot set"...measures HV secondary voltage across output terminal, instead of across HV primary
- "Most accurate test set". 2% Accuracy over entire test range.
- Safety features like ground check, zero start interlock and automatic
- High Voltage 100kV digital meter (PE-HVM-100) 1% accuracy available optionally for on-site calibration

### Specifications

#### Input/Output

- Power Supply – Single Phase AC 200V-250V
- Voltage output – Continuously variable 0-FSV, from front panel, 4 ½ digit digital display
- Display Voltage accuracy – 2% ± 2 digits ("True Vhipot test")
- Trip Current – variable from 10% to 100% of FSV current, from front panel, 4 ½ digit digital display
- Display Current accuracy – 5% + 10 digits

#### Safety systems

- Interlock for Zero start
- Earthing Interlock
- Auto trip and reset
- Buzzer and HV indicator lamp for indicating HV test under way

#### Atmospheric

- Operating Temp – minus 10 deg C to +60 deg C
- Humidity < 90% non-condensing

#### Physical

- Size – 700mm(W) × 600mm(D) × 600mm(H) (subject to change)
- Gross Weight – 60kgs (incl accessories), except packing

*PREVENTION is better and cheaper than CURE  
Trust the experts!!*

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## Standard Accessories

Test equipment – 1 no

High Voltage Insulated test probes – 1 set

Crocodile pins – 2 nos

Connecting AC mains cable – 1 no

User manual – 1 no

Test certificate – 1 no

Warranty Certificate – 1no (Standard warranty 1 yr)

## Ordering Information

PE - HVT – AM XX – YYY

Where, XX means following options

AC – AC Hipot tester

DC – DC Hipot tester

AD – AC/DC Hipot tester

And, YYY means the following selectable options

YYY	FSV Voltage kV	FSV Current mA	VA rating VA
001	5	10	50
002	5	50	250
003	5	200	1000
004	5	500	2500
005	12	10	100
006	12	50	500
007	12	100	1200
008	12	250	3000
009	12	500	6000
010	15	10	150
011	15	50	750
012	15	250	3750
013	15	500	7500
014	30	10	300
015	30	50	1500
016	30	150	4500
017	30	300	9000
018	50	20	1000
019	50	50	2500
020	50	100	5000

YYY	FSV Voltage kV	FSV Current mA	VA rating VA
021	50	200	10000
022	75	20	1500
023	75	50	3750
024	75	100	7500
025	100	20	2000
026	100	50	5000
027	100	100	10000
028	150	10	1500
029	150	20	3000
030	150	50	7500
031	150	60	9000
032	200	20	4000
033	200	50	10000
034	300	10	3000
035	300	20	6000
036	300	30	9000
037	400	10	4000
038	400	25	10000
039	500	10	5000
040	500	20	10000

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