PREMIER ELECTROSYSTEMS

PRECISION IN TESTING, EXCELLENCE IN AUTOMATION.

Testing · Measurement · Automation

PREMIER'S

DIGITAL HV BREAKDOWN TESTER

MODEL PE 100



KEY FEATURES

01 Test voltage up to 10 kV

0-5 kV, 0-10 kV or any other range; continuously adjustable by dimmer.

02 Test current up to 200 mA

0-30 mA, 0-100 mA or 0-200 mA; digitally settable through keypad.

03 One-button HV control

Single button for HV start, stop, pause and resume; remote switch on probe for momentary start.

04 Programmable timer

Test time programmable from 0.001 sec to 9999 hrs.

05 Buzzer and LED indication

Audio buzzer when test is on or fails; LEDs for HV on, HV off, sample OK and sample fail.

06 Safety and security

Fault-protected HV probe, password protection, and memory backup for auto restart after power failure.

High Voltage Breakdown (Flash) Test with 4-digit, 0.5" red LED displays for test voltage, test current and timer.

APPLICATIONS

Insulation Materials · Electrical Instruments · Motors · Transformers · Chokes · Coils · Switches · Domestic / Industrial Appliances · Heaters

PREMIER ELECTROSYSTEMS

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SPECIFICATIONS & OPERATING GUIDE

DIGITAL HV BREAKDOWN TESTER

MODEL PE 100

TECHNICAL SPECIFICATIONS

Test Voltage	A) 0-5 kV | B) 0-10 kV | C) Any other Continuously adjustable by dimmer
Test Current	1) 0-30 mA | 2) 0-100 mA | 3) 0-200 mA Digitally settable through keypad
Facilities	Single button for HV start, stop, pause, resume Audio buzzer when test on or when test fails Remote switch on probe for momentary start Programmable timer (0.001 sec to 9999 hrs) Memory backup for auto restart after power failure Zero start (on order) External connection to safety switch (on order)
Display	4-digit, 0.5" red LED displays for test voltage, test current and timer
LED Indication	HV On, HV Off, Sample OK, Sample Fail
Probe	High durability HV probe with fault protection for user safety
Password Protection	Prevents unauthorized changes in the settings and calibrations
Power Supply	230 V AC ± 10%

RANGES, ACCURACY & RESOLUTION

Parameter	Range	Resolution	Accuracy
Test voltage	0-5 kV / 0-10 kV	0.01 kV	0.6% ± 1 count
Test current	0-30 / 0-100 / 0-200 mA	0.1 mA	0.6% ± 1 count
Timer	0.001 sec to 9999 hrs	Programmable, 0.001 sec to 1 hr	0.1% ± 1 count

ORDER CODE

Model	O/p	Voltage	Current	Timer	Optional
PE100	AC	5	30	S1	NA
Options	AC: AC DC: DC	5: 0-5 kV 10: 0-10 kV X: Please specify	30: 0-30 mA 100: 0-100 mA 200: 0-200 mA	S1: SSSS M1: MMMM H1: HHHH H2: HHH.H	NA: None ZS: Zero start SS: Safety switch FS: Foot switch

Example order code: PE 100-AC-5-30-S1-NA

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