

AC/DC/IR/GB Electrical Safety Tester

D2

Patent No:074646



FEATURES

- * 200VA AC Test Capacity
- * Arc Detection
- * AC/DC Withstanding Voltage Test & Insulation Resistance Test
- * True RMS Cut-Off Current Measurement
- * Zero Crossing Turn-On Operation Switch
- * Linear Amplifier with Feedback Control to Provider High Regulated Voltage Output
- * Output Voltage and Current Limit Could be set Without HV Output
- * Output Voltage Adjustable During Test Period
- * 9 pins Remote Control for START, RESET, and Test Result Output
- * Automatic FAIL Indicator of Alarm Lamp and Buzzer
- * Scanner Box for Automatic Test (Option)
- * 42A Ground Bond Test
- * Controllable Ramp-Up Time

GPI-745A

SPECIFICATIONS

AC HI-POT SPECIFICATIONS

Voltage Range	0.100 ~ 5.000kV
Voltage Resolution	5V
Voltage Regulation	1% + 5 V
Voltage Accuracy	±1% of reading ±10 V (above 500V)
Max. Current	40mA, (above 500V)
Current Limit	0.10 ~ 40mA, 0.02mA (resolution)
Current Accuracy	±1% of reading ±80μA

DC HI-POT SPECIFICATIONS

Voltage Range	0.100 ~ 6.000kV
Voltage Resolution	5V
Voltage Regulation	1% + 5 V
Voltage Accuracy	±1% of reading ±10 V (above 500V)
Max. Current	10mA, (above 500V)
Current Limit	0.10~10mA, 0.01mA (resolution)
Current Accuracy	±1% of reading ±50μA

INSULATION RESISTANCE SPECIFICATIONS

DC Voltage	50V/100V/500V/1000V
Resistance Range	1 ~ 9900M(500V,1000V);1 ~ 2000M(50V,100V)
Resistance Accuracy	50V/100V 1~50MΩ: ±5% of reading ±1Count 51~200MΩ: ±10% of reading ±1Count 201M~1990MΩ: ±20% of reading ±1Count 500V/1000V 1~500MΩ: ±5% of reading ±1Count 501~2000MΩ: ±10% of reading ±1Count 2001M~9900MΩ: ±20% of reading ±1Count

GROUND BOND SPECIFICATIONS

Voltage Range	Max. 8V (DC)
Current Range	3 ~ 42A
Current Resolution	0.02A
Current Accuracy	±1% of reading ±0.2A(3A~8A) ±1% of reading ±50mA(9A~42A)
Ground Bond Resistance Test	0 ~ 620mΩ
Resistance Resolution	0 ~ 600mΩ (100μΩ)
Resistance Accuracy	±1% of reading ±3 mΩ
Test Method	Four terminals test mode

ARC DETECT

Detect Current	40 level (1 ~ 40mA)
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MEMORY

Groups	10
Steps Per Group	16

INTERFACE

Remote I/O	Standard
RS-232C	Standard
Scan	Standard
Real Panel Output	Standard
GPIB	Option
Scanner Box	Option(HSB-001-1: 8ch HV + 8ch GB HSB-001-2: 16 ch HV)

POWER SOURCE

AC100V, 120V, 220V, 230V± 10% , 50/60Hz

ACCESSORIES

Instruction manual x 1, Power cord x 1
Test lead GHT-105A x 1 , GHT-107A x 1 , GTL-115 x 1

DIMENSIONS & WEIGHT

330(W) x 149(H) x 446(D) mm, Approx. 15kg

ORDERING INFORMATION

GPI-745A AC 200VA AC/DC Withstand Voltage/Insulation/Ground Bound Electrical Safety Tester

Option

- Opt.01 : GPIB Interface
- Opt.02 : GHT-107A Clip high voltage probe
- Opt.03 : RGA-402 Rack Mounting (19", 4U)
- Opt.04 : HSB-001-1 Scanner Box, 8ch HV, and 8ch GB
- Opt.05 : HSB-001-2 Scanner Box, 16ch HV
- Opt.06 : Real Panel Output (Factory Installed)