

AC/DC/IR Electrical Safety Tester



The Economical AC/DC/IR Electrical Safety Tester

The New GPT/GPI-800 series are designed to provide the economical solution of electrical safety tester with easy-to-read digital display and thoughtful test reliability design. With the digital display of Voltage, Current and Timer, it will make setting of voltage, Cut-Off current and timer with more accurate and friendlier compared to the use of analog meter. In view of the importance of the test reliability, GPT/GPI-800 series are equipped with the features of True-RMS Cut-Off current, Arc Detection and Zero Crossing Turn-On, that only can be found in advanced safety tester, to ensure the reliable test result. With the design principle of economical solution, easy operation and reliable test result, GPT/GPI-800 series are aimed to become your best choice of economical electrical safety tester.

True RMS

The GPT/GPI-800 series are equipped with a true RMS circuit to make sure that the read-back of the test is a real value instead of average

value, especially under the capacitance and inductance load. This function will prevent wrong measurement result of Cut-Off current measurement.

Arc Detection

ARC is the short duration (>10uS) of current spike occurred due to the dramatic change of voltage or current. GPT/GPI-800 series offer selectable ARC detection from 0.3 to 100mA (GPI-826:0.3~20mA) to identify the potential problem of product quality such as crew loosen, bad material insulation and so on.

Zero Crossing Turn-On (except GPI-826)

The zero crossing turn-on is to assure that the output voltage will start from the zero crossing of sine wave. With this Zero Crossing Turn-On function, it will prevent the unexpected occurrence of spike or Arc, which might cause wrong trigger of Cut-Off current.

GPT-805, GPT-815 GPI-825, GPI-826

Features

- 500VA AC Output
- True RMS Current Readback
- Arc Detection
- Zero Crossing Turn-On (for GPT-805, GPT-815, GPI-825)
- 3 Ranges of Adjustable Out-Off Current
- Remote Control for START, RESET and Testing, Pass/Fail Signal Output
- Voltage Output Adjustable During Test Period
- Automatic FAIL Indicator of Alarm Lamp and Buzzer
- Digital Display for Voltage, Current and Timer at Same Time

Selection Guide

MODEL	FUNCTION	OUTPUT	AC	DC	IR
GPT-805		500VA	✓		
GPT-815		500VA	✓	✓	
GPI-825		500VA	✓		✓
GPI-826		100VA	✓		✓

GPT/GPI-800Series



Specifications

		GPT-805	GPT-815	GPI-825	GPI-826
ACW TEST	Output Voltage	0.1 ~ 5kV	0.1 ~ 5kV	0.1 ~ 5kV	0.1 ~ 5kV
	V Regulation	15%	15%	15%	15%
DCW TEST	V Accuracy	±3% of reading ±3counts	±3% of reading ±3counts	±3% of reading ±3counts	±3% of reading ±3counts
	Trip Current, mA	0.3 ~ 100mA	0.3 ~ 100mA	0.3 ~ 100mA	0.3 ~ 20mA
	Current Accuracy	±3% of reading ±2counts	±3% of reading ±2counts	±3% of reading ±2counts	±3% of reading ±2counts
	Output Voltage		0.1 ~ 5kV		
IR TEST	V Regulation		20%		
	V Accuracy		±3% of reading ±3counts		
	Trip Current		0.3 ~ 10mA		
	Current Accuracy		±3% of reading ±2counts		
FEATURES	Output Voltage			DC 500V / 1000V	DC 500V / 1000V
	Resistance			1~2000Ω	1~2000Ω
POWER SOURCE	Resistance Accuracy			1~500M: ±5% of reading	1~500M: ±5% of reading
	Test Time	1 ~ 180sec or Continual	1 ~ 180sec or Continual	0.3 ~ 100mA	0.3 ~ 20mA
ACCESSORIES	Arc Detection	0.3 ~ 10mA	AC 0.3 ~ 100mA	501~2000M: ±10% of reading	501~2000M: ±10% of reading
	Digital Display	✓	✓	✓	✓
DIMENSION & WEIGHT	Remote Control	✓	✓	✓	✓
	Display Voltage and Current	3 1/2 digits 0.39" LED	3 1/2 digits 0.39" LED	3 1/2 digits 0.39" LED	3 1/2 digits 0.39" LED
DIMENSION & WEIGHT	Timer	3 digits 0.39" LED	3 digits 0.39" LED	3 digits 0.39" LED	3 digits 0.39" LED
	POWER SOURCE	AC 115 or 230V, 50/60 Hz, set up by manufacture			
ACCESSORIES	Power code x 1, Instruction manual x 1, GHT-105A x 1: hipot test lead				
DIMENSION & WEIGHT	330(W) x 149(H) x 446 (D) mm, Approx. 20kg; Approx. 15kg (only GPI-826)				

Patent No: ZL 02 3 35181.0

Specifications subject to change without notice.

Ordering Information

GPT-805 : AC 500VA Withstand Voltage Tester

GPT-815 : AC 500VA / DC 50VA Withstand Voltage Tester

GPI-825 : AC 500VA Withstand Voltage / Insulation Tester

GPI-826 : AC 100VA Withstand Voltage / Insulation Tester

Standard Accessories

Instruction Manual X 1

Power Code X 1

Test Lead : GHT-105A X 1

ISO-9001 & ISO-14001 CERTIFIED MANUFACTURER



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