

Electrical Safety Tester

Multifunction 4 in 1 Electrical Safety Tester

TES-96XX series

NEW

Product description:

TES-96XX series is a new multifunctional electrical safety tester has multifunction combinations of AC withstand voltage, DC withstanding voltage, insulation resistance and ground bond resistance. The size of the whole machine is compact and light weight. It has high-precision 1% accurate, high-speed 0.5s quick operation, efficient, reliable and stable and has rich interfaces and touch-screen operation.



TES-9624

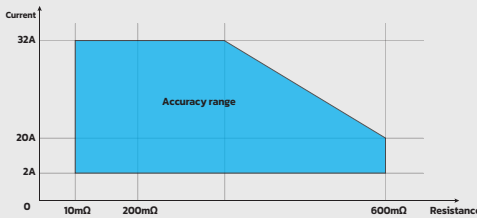
Features

- High precision and 1% accuracy for multifunctional safety tester.
- Withstand voltage output capacity upto 500VA, ground resistance output current 32A, Insulation resistance range: 50GΩ
- Built-in fast rise + slow rise test function in accordance with IEC60601/GB9706.1 standard requirements
- Built-in 100 test groups, each group supports 50 steps
- Open and short circuit detection function: supports OSC AC output detection and DC charging lower limit detection
- Arc detection function: built-in arc detection function based on waveform recognition, internationally unique, good anti-interference effect, high accuracy
- User authority setting: built-in password function to distinguish different levels of users
- External interface: standard RS232 interface, optional LAN, USB, GPIB, RS485 and other interfaces
- Anti-electric shock protection function: built-in leakage protection function, response speed uS level
- Quick test: test step delay <50ms
- Information function: support barcode scanner, U disk storage and other peripherals

Specifications

Model	TES-9622	TES9624	TES-9614H
AC Withstanding Voltage Test			
Output Capacity	200VA		500VA
Voltage Output Upper Limit Umax	5000V		
Voltage Output Lower Limit Umin	50V		
Current Measurement Upper Limit Imax	40mA		100mA
AC Voltage Output	Range : 50 ~ 5000VAC, resolution : 1V, Accuracy : ±(1% x set value +5V)		
AC Voltage Measurement	Range : 0.050 ~ 5.000kV, resolution : 0.001kV, Accuracy : ±(1% x reading value +5 digits)		
Current Measurement Accuracy	Range : 0.010 ~ 3.500, 3.00 ~ Max, resolution : 0.001/0.01mA, Accuracy : ±(1% x reading value +5 characters)		
Output Frequency	50Hz/60Hz, accuracy : ±0.1Hz		
Output Adjustment	±(1% x set value +5V), no load to full load		
Waveform Distortion	Sine wave, <1% (resistive load)		
Ramp-up & Ramp-down Time	Range : 0, (0.1 ~ 999.9)s, resolution : 0.1s		
Testing Time	Range: 0, (0.5 ~ 999.9)s, resolution 0.1s, Accuracy : ±(1% x set value + 1 word)		
Arc Detection	1 ~ 9 (9 is the most sensitive), 0 means arc off function		
Current Compensation	0.000 ~ 40.00mA, total current + compensation current <40mA, automatic		
DC withstanding voltage Test			
Voltage Output Upper Limit	6000V		
Voltage Output Lower Limit	50V		
Current Measurement Upper Limit	10mA		
DC Voltage Output	Range : 50 ~ 6000Vdc, resolution : 1V, Accuracy : ±(1% x set value +5V)		
DC Voltage Measurement	Range : 0.050 ~ 6.000kVdc, resolution : 1V, Accuracy : ±(1% x reading value +5 characters)		
Output Ripple	<2% (6kV/1mA resistance load)		
Output Adjustment	±(1% x Set +2V), no load to full load		
DC Current Measurement	Range : 0.0 ~ 350.0/300 ~ 3500µA/3.00 ~ 10mA, resolution : 0.1/1µA/0.01mA, Accuracy : ±(1% x readig+ 5 characters)		
Ramp-up Time	Range : 0, (0.4 ~ 999.9)s, 0 means off		
Testing Time	Range: 0, (0.5 ~ 999.9)s, 0 is infinite, resolution 0.1s, Error : ±(1% x set value + 1 word)		
Ramp-down Time	Range: 0, (1.0 ~ 999.9)s, 0 means off		
Arc Detection	1 ~ 9 (9 is the most sensitive), 0 means arc off function		
Current Compensation	0 ~ 2000µA, Automatic		
Discharge Time	≤400ms		
Maximum Capacitive Load	1µF <1kV, 0.75µF < 2kV, 0.5µF < 3kV, 0.08µF < 4kV, 0.04µF < 5kV		

Specifications

Model	TES-9622	TES9624	TES-9614H
Insulation Resistance Test			
Voltage Output Upper Limit Umax		6000V	
Voltage Output Lower Limit Umin		100V	
Resistance Meas. Upper Limit Rmax		50GΩ	
DC Voltage Output Measurement		Range : 100 ~ 6000Vdc, resolution : 1V, Error : ±(1% x set +5V)	
Resistance Upper-Lower Limit Setting		Range : 0.1MΩ ~ 50000MΩ, upper limit includes no upper limit setting	
Insulation Resistance Measurement		Range : 0.100MΩ ~ RmaxGΩ, Resolution : 0.001MΩ/ 0.01MΩ/ 0.1MΩ/ 0.001GΩ/ 0.01GΩ	
		Error : 100V ~ 499V : 0.100MΩ ~ 2.000GΩ, ±(5% x reading +2 words)	
		500V ~ 6000V : 0.100MΩ ~ 999.9MΩ, ±(2% x reading +2 words)	
		: 1.000GΩ ~ 9.999GΩ, ±(5% x reading +2 words)	
		: 10.00GΩ ~ 50GΩ, ±(15% x reading +2 words)	
Ramp-up Time		Range : 0, (0.4 ~ 999.9)s, 0 means off	
Testing Time		Range : 0, (0.5 ~ 999.9)s, 0 is infinite, resolution 0.1s, Error : ±(1% x set + 1 word)	
Ramp-down Time		Range : 0, (1.0 ~ 999.9)s, 0 means off	
Ground Bond Resistance Test			
Current Output Upper Limit Imax		32A	
Resistance Meas. Upper Limit Rmax		600mΩ, Open circuit voltage is less than 12V	
Current Fluctuation		<0.4% x set / minute	
Output Voltage		Range : (3.0 ~ 10.0) VAC, resolution : 0.1V, Error : ±(1% x reading + 2 words), Open circuit	
Output Frequency		50Hz/60Hz, accuracy : ±0.1Hz	
Resistance Measurement			
		Range : 1.0 ~ 99.9mΩ, 100 ~ 600mΩ, resolution : 0.1/1mΩ	
		Measurement error : <100mΩ, ±(1% x reading +1mΩ) ≥ 100mΩ, ±(1% x reading +2 words)	
		0 ~ 200mΩ	
Resistance Compensation		Range : 0, (0.5 ~ 999.9)s, 0 is infinite, resolution : 0.1s, Error : ±(1% x set + 1 word)	
Testing Time			
General System Specification			
Interface	Standard : RS232, Optional : RS-485, USB, GPIB, LAN and Analog output		
Installation Location	Indoor, altitude not higher than 2000meters		
Usage Environment	Temperature	0 ~ 40℃	
	Humidity	40℃, (20% ~ 90%RH)	
Storage Environment	Temperature	-10℃ ~ 50℃	
	Humidity	50℃, 90%RH , 24h	
Input Power	AC 220V ±10%, 50Hz±5%, 10A		
Power Consumption	No Load	Less than 50W	
	Full Load	Less than 400W	
Dimension	215(W) x 132(H) x 470(D)		
Weight	25kg		27kg

Ordering Information

TES-9622 : 2 in 1 Electrical Safety tester

ACW : 200VA/5kVA/40mA,

DCW : 6kV/10mA,

TES-9624 : 4 in 1 Electrical Safety tester

ACW : 200VA/5kVA/40mA,

DCW : 6kV/10mA,

IR : 6kV/50GΩ,

GB : 32A/600mΩ

TES-9714H : 4 in one Electrical Safety tester

ACW : 500VA/5kVA/100mA,

DCW : 6kV/10mA,

IR : 6kV/50GΩ,

GB : 32A/600mΩ

Standard Accessories :

- User Manual
- Power cord
- Test leads
- Test report