

Electrical Safety Tester

AC and DC Ground Bond Resistance Tester TES-9730 series

Product description:

TES-9730 series is family of grounding bond resistance analyzer for AC or DC or AC&DC functions, it has 200VA output capacity, Grounding dual-purpose constant current output, four-terminal test, the whole machine size is 2U/half width, depth is about 300mm, compact and light, accurate and efficient, reliable and stable, rich interfaces, can meet the strict test requirements of new energy vehicles, electronic components, power electronics products, aerospace products, household appliances, audio and video equipment, medical equipment, etc.



TES-9730 series

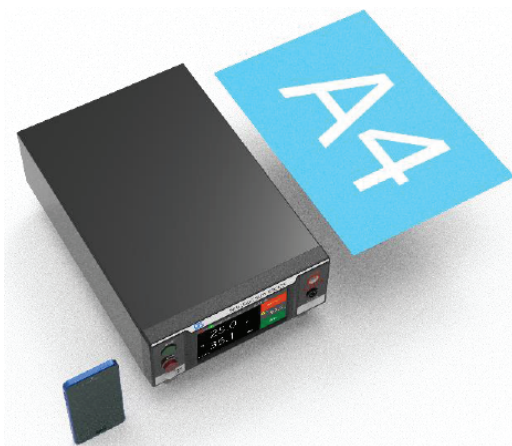


Features

- Using 5-inch touch screen, simple and clear, easy to learn and usage.
- Basic accuracy 1%
- Output current 32A AC | 40A DC, test resistance 1mΩ ~ 600mΩ
- The whole machine adopts high-frequency power electronic conversion topology, stable output, extremely light.
- Built-in 100 test groups, each group supports 50 steps.
- User authority setting: built-in password function distinguishes different levels of users.
- External interface: standard LAN, RS232, USB and other interfaces.
- Support card expansion: support direct card expansion of multi-channel serial scanning, etc.
- Quick test: test step delay <50ms.
- Informatization function: support barcode scanner, U disk storage and other peripherals.

Extremely Light

- Built-in high-frequency power electronic conversion topology, the size and weight are greatly reduced. The length and width of the whole machine are equivalent to the area of an A4 paper, and the weight of the whole machine is only 4.5 kg.



Information Interface Function

- Supports USB barcode guns, realizing functions such as code scan start, built-in data storage, barcode binding, information upload, etc. After code scanning start, the test data will automatically match the current barcode, and can query the currently required test program according to the identification field set by the user, automatically call it, and complete the test and data storage.



Ordering Information

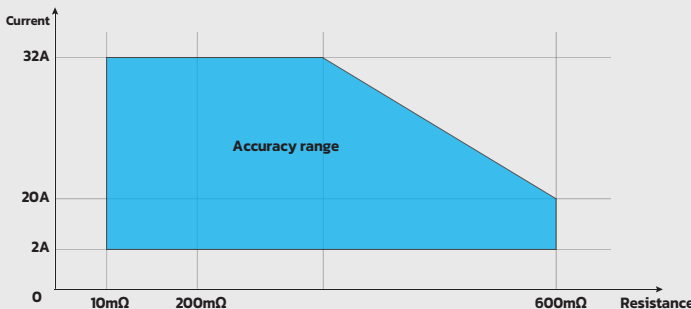
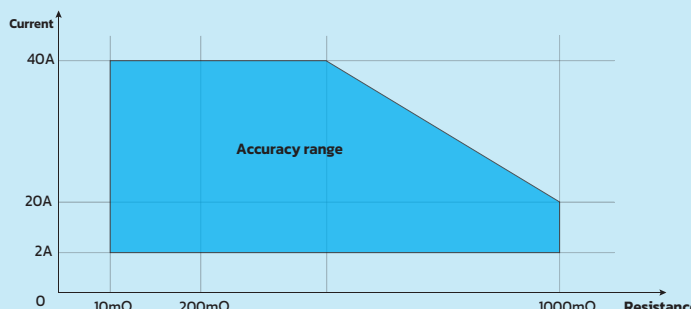
- TES-9733** : AC&DC Ground Bond Resistance Tester
TES-9732 : DC Ground Bond Resistance Tester
TES-9731 : AC Ground Bond Resistance Tester

Standard Accessories :

- User Manual
- Test Lead set
- Power cord
- Test Report

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Specifications

Model		TES-9730 series
AC Ground Bond Resistance Test		
Output Current Upper Limit Imax		32A
Rated Test		Maximum current Imax, Maximum resistance 600mΩ, Open circuit voltage below 12V
Output Current		Range : (2.0A ~ 32 A) AC, resoluion : 0.1A, Accuracy : ±(1% x set value + 5 characters)
Current Fluctuation		≤0.4% x set value / minute
Output Voltage		Range : (3.0 ~ 6.4) VAC, resolution : 0.01V, Accuracy : ±(1% x set value + 2 characters)
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 value +5mΩ), ≥100mΩ, ±(1% x reading value +5mΩ)
Resistance Compensation		0 ~ 100mΩ
Testing Time		Range : 0, (0.5 ~ 999.9)s, 0 is infinite, resolution : 0.1s, Accuracyn : ±(1% x set value + 1 character)
DC Ground Bond Resistance Test		
Output Current Upper Limit Imax		40A
Rated Test		Maximum current Imax, Maximum resistance 1000mΩ, Open circuit voltage below 12V
Output Current		Range : (2.0A ~ 40A) DC, resoluion : 0.1A, Accuracy : ±(1% x set value + 5 characters),
Current Fluctuation		≤0.4% x set value / minute
Output Voltage		Range : (3.0 ~ 6.4) VDC, resolution : 0.1V, Accuracy : ±(1% x set value + 2 characters), open circuit
Output Frequency		50Hz/60Hz, resoluion : 0.1Hz, accuracy : ±(1%set value +5V), no load to full load
Resistance Measurement		 Range : 1.0 ~ 99.9mΩ, 100 ~ 600mΩ, resolution : 0.1/1mΩ Measurement error : <100mΩ, ±(1% x reading value +5mΩ), ≥100mΩ, ±(1% x reading value +5mΩ)
Resistance Compensation		0 ~ 100mΩ
Testing Time		Range : 0, (0.5 ~ 999.9)s, 0 is infinite, resolution : 0.15s, Error : ±(1% x set value + 1 character)
General System Specification		
Installation Location		Indoor, altitude not higher than 2000meters
Operation 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	Full Load	Less than 20W
	No Load	Less than 600W
Dimension (WxHxD mm.)		215(W)x132(H)x370(D)
Weight		About 4.5kg