

# Electrical Safety Tester

## High-power AC Withstanding Voltage Tester TES-9711H

### Product description:

TES-9711H high-power AC withstand voltage analyzer, covering AC withstand voltage, arc detection and other functions in one, accurate and efficient, reliable and stable, rich interface and touch-screen operation.



### Features

- The whole machine adopts high-frequency power electronic conversion topology, stable output, extremely light;
- 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.
- Arc detection function: built-in arc detection function based on waveform recognition, internationally unique, anti-interference, high accuracy
- User authority setting: built-in password function to distinguish different levels of users
- External interface: standard RS232, PLC/HANDLER and other interfaces.
- Anti-electric shock protection function: built-in leakage protection function, response speed uS level;
- Quick test: test step delay <50mS

### Specifications

Model		TES-9711H
Rated Output Capacity		500VA, short-circuit current greater than 200mA
AC Voltage Output Range		50 ~ 5000V, Resolution : 1 V, Error : $\pm(1.5\% \times \text{set Value} + 5V)$
AC Voltage Measurement Range		0.050 ~ 5.000kV, Resolution : 0.001kV, Error : $\pm(1.5\% \times \text{reading value} + 5 \text{ characters})$
Current Measurement Range		0.010 ~ 3.500mA, 3.00 ~ 100.00mA, Resolution : 0.001/0.1mA, Error : $\pm(1.5\% \times \text{reading value} + 5 \text{ characters})$
Output Frequency		50Hz/60Hz, accuracy : $\pm 0.1\text{Hz}$
Output Adjustment		$\pm(1.5\% \times \text{set value} + 5V)$ , no load to full load
Waveform Distortion		Sine wave, <1.5% (resistive load)
Ramp Up-Down Time		Range : 0, (0.1 ~ 999.9)s, Resolution : 0.1s
Test Time		Range: 0, (0.5 ~ 999.9)s, Resolution 0.1s, Error : $\pm(1\% \times \text{set value} + 1 \text{ word})$
Arc Detection		1 ~ 9 (9 is the most sensitive), 0 means : arc off function
Current Compensation		0.000 ~ 100.00mA, Total current + compensation current < 100mA, automatic
Interface		RS232, PLC/Handler
General System Specification		
Installation Location		Indoor, altitude not higher than 2000 meters
Operation Environment	Temperature	0 ~ 40°C
	Humidity	40°C, (20% ~ 90%RH)
Storage Environment	Temperature	-10°C ~ 50°C
	Humidity	50°C, 90%RH, 24h
Input Power		AC 220V $\pm 10\%$ , 50Hz $\pm 5\%$ , 10A
Power Consumption	Full Load	Less than 50W
	No Load	Less than 550W
Dimension (WxHxD)		280x120x480mm.
Weight		About 12kg.

### Ordering Information

**TES-9711H** : 500VA/5kV/100mA AC Withstanding Voltage Tester

### Standard Accessories :

- User Manual
- Power cord
- Test leads