

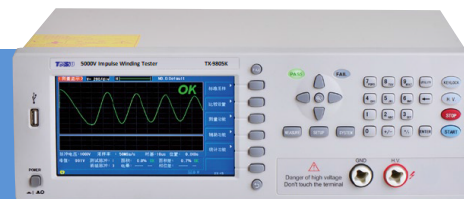
# ELECTRICAL SAFETY TESTER

## Impulse Winding Tester

### TX-9800 Series

#### Product description:

TX-9800 series Impulse Winding Tester are designed for winding elements. high Voltage-small Capacity and DUT unitize RLC parallel resonant circuit,through damped oscillator waveform. 100Mps Sample Rate and micro-processing technology.We can check defective Insulation (turn-to-turn short, layer short, Insulation reducing)



#### Features

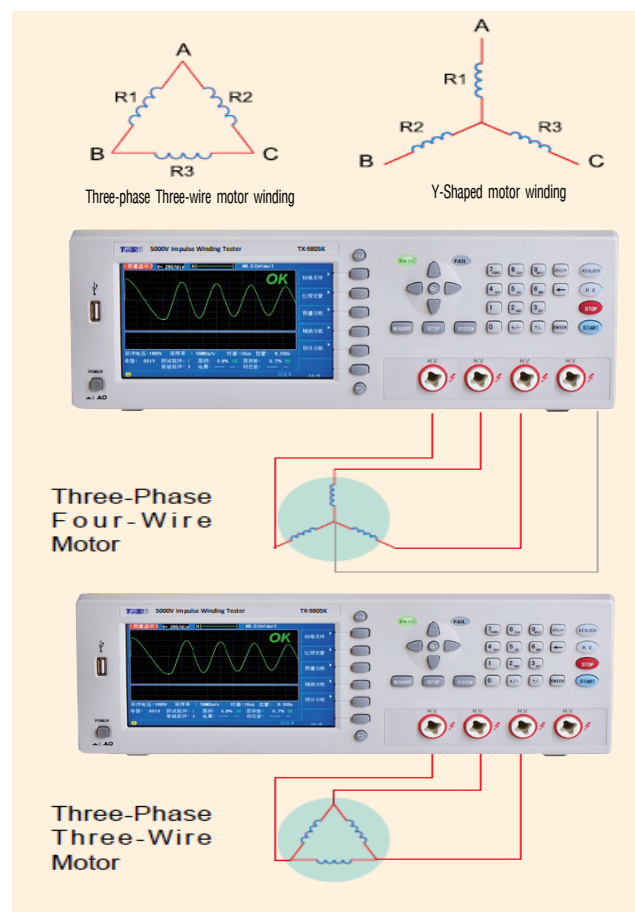
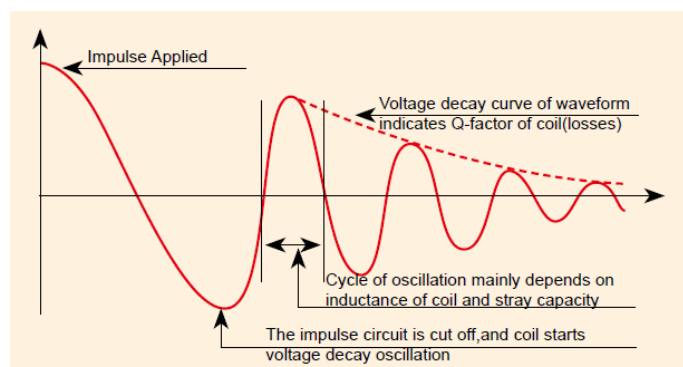
- 7 inch 65K color 16: 9 TFT display, resolution of 800 x 480.
- 100Mps sampling rate, 6.5kBytes memory depth (Custom-made 200Mps)
- Test Speed: 15 times/sec.
- Comparison with standard waveform:Area Size Comparison, Differential Area Comparison, Corona Discharge Comparison, Differential Phase Comparison.
- Excellent Voltage stability,Testing repeatability.
- Powerful Corona Test Function, discover Potential insulation problem.
- Measuring parameters are Autosaved.
- Wave vertical enlarger, horizontal zoom, Wave Shift.
- Standard sample mean function, can be up to 32 times the average standard waveform processing.
- Automatic Standard Wave Sample is suitable to select Impulse Voltage.
- Break Test is suitable to select Impulse Voltage.
- Pulse applied, ensure the test waveform consistency.
- By USB HOST to realize the instrument rmware version upgrade.
- The BNC trigger on the rear panel of the instrument can be connected with the foot switch easily.
- Handler, RS232C, USB Device, USB Host and GPIB (Option).
- Expanded Two Channels, Four Channels Function are useful for threephase three-wire motor and three-phase Four-wire motor.

#### Expanded Two Channels, Four Channels Function

TX-9805K-2 Two channels, TX-9805K-4 Four channels are useful for three-phase three-wire motor and three-phase Four-wire motor. Motor windings are tested one time. Avoid Multiple Switching,Test Fast,efficient,good cost -Performance ratio.

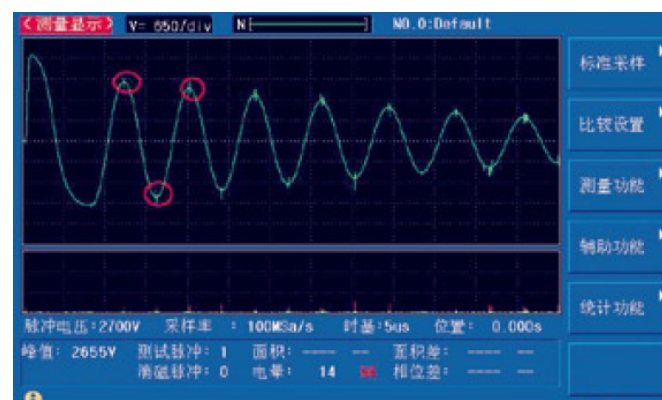
#### Advance Impulse Test Theory

"Winding element impulse test": high-speed, small-capacity, non-destructive Impulse is applied to DUT,through comparison good products waveform and defective waveform, we can distinguish products. TX-9800 have huge screen, ultra-high Sample Rate and high-performance micro-processing technology.



#### Powerful Corona Test Function

Through Customized 200Mps High-Speed Sample Rate, We can extract corona information accurately, distinguish good products or defective products. The corona information display in LCD Screen.



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### TX-9800 Series

#### Unique break test function

Break test is test model which starts Start Voltage, ends End Voltage and steps Step Voltage.

Break test can help customer to realize withstand voltage for DUT.

#### Specifications:

Model		TX-9803K	TX-9805K	TX-9810K
Impulse Voltage		100 ~ 3000V	100 ~ 5000V	100 ~ 10000V
Resolution		10V steps		
Accuracy		5%±10V		
Inductance Range		>10 μH		
Impulse Energy		0.25J		
LCD Display Resolution		800 x 480 dot-matrix LCD		
Waveform Display Area		650 x 250 Dot-matrix		
Contents		Setup parameter, Standard wave and Test wave, Comparison result, File information, etc.		
Sample Wave		Max 100Msps, 10 grades (adjustable)		
		Resolution : 8 Bits		
		Memory Depth : 6500 Bytes		
		Average : 1 ~ 32		
Standard Wave Sample		Continuous Loop, Single Loop, Single Simple (32 times)		
Input Impedance		10MΩ		
Test Speed		15 times / sec		
Impluse Times	Test Impulse	1 ~ 32 Averaging Rate Programmable		
	Erease Impulse	0 ~ 16 Averaging Rate Programmable		
Measurement Function		Voltage, Time, Frequency		
Trigger Mode		Manual (Foot) / External / BUS / Internal		
Comparison Methods		Comparision with standard waveform: Area Size Comparison, Differential Area Comparison, Corona Discharge Comparson, Differential Phase Comparson		
Area Size Meas. Accuracy		±1%		
Area Difference Meas. Accuracy		±1%		
Comparison Output		PASS/FAIL Display Beeper alarm and Light alarm		
Beep Mode		Long high, Long Low, Single short, Double short, OFF		
Memory		Build-in : 200 Files, USB Disk : 500 Files		
Interface		Handler (START, STOP, PASS, NG, BUSY, EOC), RS-232C, IEEE-488 (Option) USB CDC, USBTMC, USBHOST		
Input		220 ~ 240Vac / 50Hz		
Dimension (W*H*D)		400*130*340 mm.		
Weight (kg.)		9.5		

#### Ordering Information

**TX-9803K** : Impulse Voltage Output 100 ~ 3000V

**TX-9805K** : Impulse Voltage Output 100 ~ 5000V

**TX-9810K** : Impulse Voltage Output 100 ~ 10000V

**TX-9805K-2** : Impulse Voltage Output 5000V, 2 Channels

**TX-9805K-4** : Impulse Voltage Output 5000V, 4 Channels

**TX-9805K-8** : Impulse Voltage Output 5000V, 8 Channels

#### Standard Accessories:

- User Manual