

Features

- Delta and star connection of three-phase machine, Primary and secondary windings, primary and secondary secondary windings, primary and secondary + primary and secondary windings of single-phase machine can be tested; satisfying motor interturn testing of all series (U9845, all-powerful motor test)
- Provide 8-channel sweep test at most (U9805X)
- Two-channel comparison test, dispense with standard waveform acquisition
- 65k color 7" TFT high definition display screen, selectable Chinese and English interfaces
- Waveform sampling rate:100Mps; memory depth: 6500bytes
- Max. Test speed: 12 meas/sec
- Four waveform comparison methods: Area, differential area, corona and differential phase
- Strong corona analysis and extraction function (several corona modes and corona display function) to excavate potential defective insulation of products
- Excellent test repeatability to guarantee stable measurement
- Instrument parameters automatic storage and boot-up file load function
- Vertical exaggeration, horizontal zoom and movement of waveforms for detail observation
- Sample average function, average processing of 32 standard waveforms
- Automatic standard acquisition mode to select suitable sampling rate
- Destructive testing bring the right test voltage for you
- Fast test mode can make real-time change of impulse voltage and sampling rate
- Imposed demagnetized impulse to ensure the conformity of the tested waveforms
- 20000 pieces of historical measured data storage and discrimination statistics function; can be saved to the U-disk
- Directly save the screen pictures (BMP, GIF, PNG) or waveform data to U-disk through SAVE key
- System firmware upgrade through U-disk
- Foot switch interface for easy and fast measurements
- Handler, RS232C, USB Device, USB Host and GPIB (option)



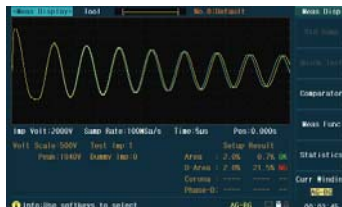
U9825/U9845/U9805X

Brief Introduction

- U9825/U9845/U9805X series impulse winding tester adopts high stability & high-voltage impact power and thyristor module controlled high-voltage switching devices, which bring a substantial increase in the stability and reliability of the product. With advanced 32 bit CPU and high speed FPGA, 100Mps sampling rate and memory depth of 6500 bytes make the test more precise; the use of high speed testing technique make the maximum test speed up to 12 meas/sec.

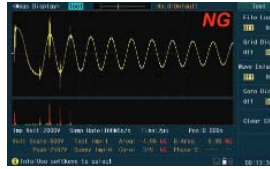
Comparison test function

Without collecting standard waveforms, the consistency of two tested coils can be compared rapidly.

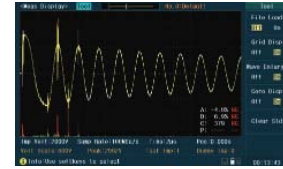


Corona display function

Up to 100Mps sampling rate ensure precise extraction of corona information. The equipped corona display function make corona information and product performance clear and visualized.



Corona display in normal waveform display



Corona display in magnified waveform display

Specifications

Specifications				
Model	U9825	U9845	U9805X	
Channel number of HV	2	4	Customizable, 8-channel at most	
Impulse voltage	100V~5000V, 10V step, 5%±10V			
Inductance test range	≥20uH			
Impulse energy	Max.: 0.25 Joule			
Test speed	Single-winding: Max.12 meas/sec 4-winding: Max.2 meas/sec			
Applied pulses	Max. 32 of test pulse; max.8 of demagnetizing pulse			
Input impedance	10M			
Display	800x480 dot 65k color TFT Waveform display range: 650x256, support 1.5 times magnifying display			
Waveform acquisition	Sampling rate: max.100Mps, adjustable 10 levels Resolution: 8 Bits Memory Depth:6500 bytes Sample average:1-32			
Comparison methods	Area, differential area, corona and differential phase			
Test repeated accuracy	±1%			
Comparison test	YES	NO		
Waveform measurement	Voltage/Frequency/Time of the waveform			
Trigger Mode	Manual (including foot switch)/External/Internal/Bus			
Detection Output	OK/NG display, LED / alarm			
Test statistics	Statistics function of measurement time and results, up to 20000 pieces			
Memory	Internal	150 groups	120 groups	60 groups
	U-disk	600groups (standard waveform data and test setup parameters)		
HANDLER signal	START,STOP,PASS,FAIL , BUSY,EOC		START,CH1- CH8, ALL,BUSY,EOC	
Interface	USB Slave, RS232C, IEEE488 (option) USB Host (support storage of BMP, GIF, PNG image files and firmware upgrade)			
General conditions				
Temperature & Humidity	0°C - 40°C, ≤75%RH			
Power Requirements	Voltage	220V±10%		
	Frequency	50Hz±5%		
Power	≤50 VA			
Dimension (W×H×D)	400mmx 132mmx350mm			
Weight	approx. 7.5 kg			