



Brief Introduction

981x series pulse winding tester adopts high-stability high-voltage impact power supply and high-voltage switching device controlled by SCR module, which greatly improves the stability and reliability of the product; it adopts advanced 32-bit high-performance processor and high-speed FPGA to provide 100Mps Sampling rate and 6500 bytes storage depth make the test more accurate; the proprietary high-speed test technology, the test speed can reach up to 15 times/second.

Performance characteristics

- 65k color 7-inch TFT high-definition display, Chinese and English optional operation interface
- 100Mps waveform sampling rate, 6500bytes storage depth
- High speed test, up to 15 times/second
- Four waveform comparison methods: area, area difference, corona and phase difference
- Powerful corona analysis and extraction function (multiple corona modes and corona display function), dig out potential insulation problems of products
- Excellent test repeatability to ensure stable test
- Automatic saving of instrument parameters and loading of startup files
- Waveform vertical zoom, horizontal zoom and move function, easy to observe details
- Sample averaging function, can perform up to 32 times of standard waveform average processing
- Automatic standard acquisition mode, automatically select the appropriate sampling rate
- Destructive testing selects the appropriate test voltage for you
- Fast test mode, real-time modification of pulse voltage and sampling rate
- Application of degaussing pulse to ensure consistent test waveform
- 20,000 historical measurement data saving and discriminating statistics functions, and can be stored in U disk
- SAVE button directly save the screen image (BMP, GIF, PNG) or waveform data (CSV) to the U disk
- Support U disk to upgrade system firmware
- Foot control interface for simple and fast measurement
- Handler, RS232C, USB Device, USB Host and GPIB (optional)

Waveform zoom function

When the waveform is enlarged, the display area can be increased by 50%, making the waveform display larger and easier to observe.

Corona display function

Up to 100Mps sampling rate, accurate extraction of corona information, equipped with corona display function, so that the corona information can be seen at a glance, to prevent product performance beforehand.

Performance				
Model	JK9813	JK9815	JK9816	JK9810
Pulse voltage	100V~3000V, 10V stepper, 5%±10V	100V~5000V, 10V stepper, 5%±10V	200V~6000V, 10V stepper, 5%±10V	300V~10000V, 10V stepper, 5%±10V
Inductance test range	≥10uH			≥50uH
Pulse energy	Maximum 0.09 joule	Maximum 0.25 joule	Maximum 0.36 joule	Maximum 0.5 joule
Measuring speed	Maximum 15 times/sec		Maximum 12 times/sec	Maximum 8 times/sec
Number of pulses applied	Testing pulse maximum 32 times Degaussing pulses maximum 8 times.			
Input impedance	10M			
Display	800*480 dot 65k color TFT, waveform display range 650*256, support 1.5 times magnification display.			
Waveform acquisition	Sampling rate: Up to 100M sps, 10 levels adjustable, resolution: 8 Bits, storage depth: 6500 bytes, sample average: 1-32			
Judgment method:	Area, area difference, corona discharge, phase difference			
Repeat measurement accuracy	±1%			
Waveform measurement	Waveform voltage, waveform frequency, waveform time			
Trigger method	Manual trigger, internal trigger, external trigger, bus trigger			
Judgment output	OK/NG display, LED indicator, buzzer alarm			
Measurement statistics	statistical functions including measurement time and measurement results, save up to 20,000 groups.			
Memory	Internal	300 groups (standard waveform data and measurement setting parameters)		
	USB disk	600 groups (standard waveform data and measurement setting parameters)		
Interface	Handler(START, STOP, PASS, FAIL, BUSY, EOC) RS232C USB Device(support USB TMC and USB CDC) USB Host (supports FAT16 and FAT32, supports saving BMP, GIF, PNG image files, supports saving CSV format waveform data and statistical data, and supports setting files) GPIB (option)			
Power Supply				
Power supply	220V ± 10%, 50Hz+5%			
Power consumption	≤50VA			
Conditions				
working environment	Temperature	0°C~40°C		
	Humidity	≤75%RH		
Weight	7.5KGS			
Dimension (H*W*D)	132*400*350MM			