

ONS5813/ONS5813A/ONS5815/ONS5815A Impulse Winding Tester



ONSys Technologies OPC Pvt. Ltd.

Electronics and Electrical Test & Measurement Solutions

ONSys Technologies



Overview

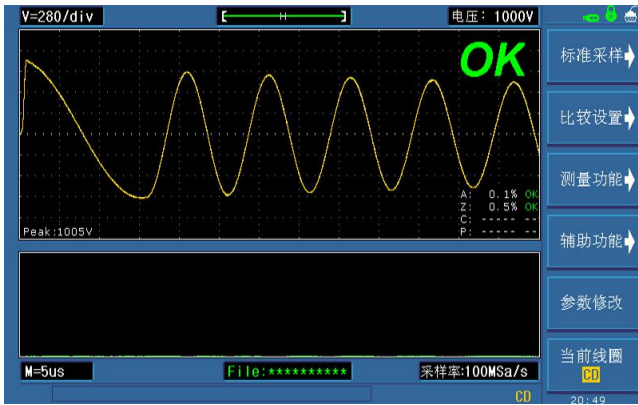
- Waveform sampling rate is 100Mps/200Mps, storage depth is 6.5kBytes
- 7 inch 65k color 16: 9 TFT display, resolution is 800×480
- Comparison of four wave forms: area, area difference, corona and phase difference.
- Excellent test repeatability can ensure stable and consistent test results
- The horizontal stretching & movement of the waveform and amplitude of the zoom can meet your all-round vision.
- Powerful corona extraction function can detect the insulation problems of the potential product early.
- It has the automatic storage function after Instrument parameters being modified, boot files can be automatically loaded.
- Standard automatic acquisition function help you automatically select the appropriate sampling rate,
- Destructive tests make you choose the right test voltage.
- The application of the demagnetizing pulse ensures that the test waveform is consistent.
- Standard sample averaging function can process the standard waveform averaging up to 32 times.
- The firmware version can be upgraded and updated by USB HOST.
- U disk can support file systems with format FAT16, FAT32, the current screen image or waveform data can be quickly saved through the instrument panel shortcut keys.
- Standard RS232C、HANDLER、USB HOST, USB device optional GPIB、LAN interface.

Brief Introduction

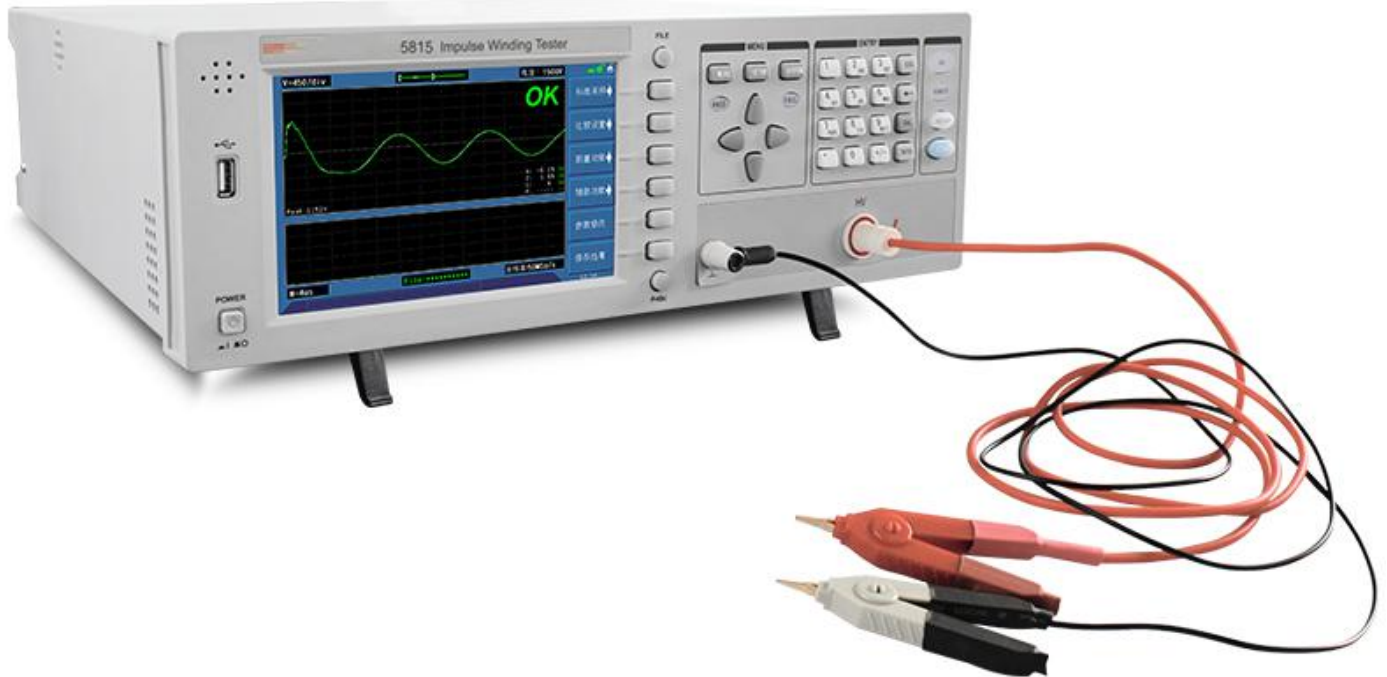
ONS5800 series Impulse winding tester adopts the most popular 7-inch 800x480 color TFT LCD display, a mainstream high-performance 32-bit processor and high-speed FPGA is also used. ONS5800 series providing a sampling rate 100 Mps/200Mps and a sampling storage depth of 6.5k bytes, which make the test more accurate. At the same time the instruments series also use a high-voltage power supply with high stability and the high-voltage switching devices controlled by thyristor module, so the accuracy, stability and reliability of the product's test can be improved greatly. All the present popular interface functions are provided by this series of instruments, data communication with PC, remote control and graphics storage in real time can be easily realized.

ONS5813/ONS5813A/ONS5815/ONS5815A Impulse Winding Tester

Test Interface



Sampling rate is up to 100MSPS/200MSPS, which can actually reflect the size of the corona mass produced by the coil test.



Technical Specification				
Model No.	ONS5813	ONS5813A	ONS5815	ONS5815A
Pulse voltage	100V~3000 V, 10V for the step, Voltage accuracy is $\pm 5\%+15V$		100V~5000 V, 10V for the step, Voltage accuracy is $\pm 5\%+15V$	
Channel numbers	1 channel			
Sampling rate	100Msps	200Msps	100Msps	200Msps
Measurement speed	12 times/sec			
Pulse energy	Maximum is 0.09 J		Maximum is 0.25 J	
Inductance test range	$\geq 10\mu H$			
The number of applied pulses	Test pulse is up to 32 times at most, degassing pulse is up to 16 times at most			
Input impedance	10M Ω			
Waveform acquisition	Sampling rate of 100Msps can be 10 grade adjustable Sampling rate of 200Msps can be 11 grade adjustable Sampling resolution: 8 Bits Waveform storage depth : 6500 Bytes Sample average :1-32			
Display screen	7 inch 65k color 800 * 480 dot TFT display waveform display range 650x256, support x2,x3times enlarge			
Judgment method	Area, area difference, corona, phase difference			
Waveform parameter measurement	Voltage, frequency, time			
Test accuracy of repeatability	$\pm 1\%$			
Trigger mode	Manual trigger, external trigger, bus trigger, internal trigger			
Output distinguish	OK/NG screen display, LED lights instructions, buzzer alarm			
Measurement statistics	With statistical function of measurement results			
Memory	internal	Store 300 groups of waveform data and instrument parameters' setting		
	external	Store 600 groups of waveform data and instrument parameters' setting		
Interface	Standard RS232C、HANDLER、USB HOST, USB Device, optional GPIB、LAN interface			

Ordering Information

ONS5800 series Impulse winding tester

Instrument Accessories

ONS26035 high voltage test cables

ONS6801-01 Pedal start switch

power cable

ONSys Technologies OPC Pvt. Ltd.

Web: <http://www.onsystech.com> | Email: sales@onsystech.com, onsystech@gmail.com

Ph. No.:+91-9372898215