Impulse winding tester series   *mod. CRCH6800*
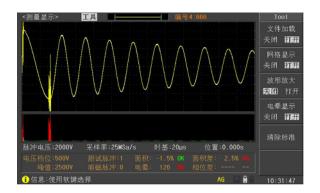

Product Description:

CRCH6800 series impulse winding tester adopts high-voltage impulse power supply with high stability and high-voltage switching device controlled by silicon controlled module, which greatly improves the stability and reliability of the product.
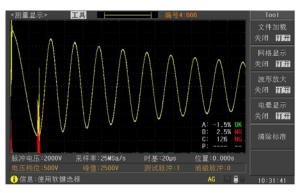
With advanced 32-bit high-performance processor and high-speed FPGA, 100 Msps sampling rate and 6500 bytes storage depth are provided to make the test more accurate.

Specialized high-speed testing technology, testing speed up to 15 times per second.

Corona display function

As high as 100Msps sampling rate, accurate extraction of corona information, equipped with corona display function, so that the information of corona is clear at a glance, the product performance can be prevented in the near future.

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CRCH6800 Surge tester technical specifications

Model	CRCH6813	CRCH6813.3	CRCH6823	CRCH6843	CRCH6815	CRCH6815.2	CRCH6825	CRCH6845
Number of channels	1		2	4	1		2	4
Impulse voltage	100V~3000V, 10V step-by-step Pulse voltage accuracy±5%±10V				300V~5000V, 10V step-by-step Pulse voltage accuracy±5%±10V			
Number of Power setting	**1**	**3**	**1**		**1**	**2**	1	1
Inductance test range	≥10uH		≥20uH		≥10uH		≥20uH	
Pulse energy	maximum 0.09 Joule				maximum 0.25 Joule			
Measuring speed	single channel：maximum 6-8 times per second							
Measuring speed	Test pulse maximum 32 order, Demagnetization pulse maximum 8 order							
Input impedence	10M							
Indicator	800x480 lattice 65k colour TFT Waveform display, range 650x256 support 1.5 times magnification display							
Waveform acquisition	Sampling rate : max. 100Msps, level 10 adjustable Resolution ratio: 8 Bits Storage depth: 6500 byte Sample average:1-32							
Decision method	Area, area difference, corona discharge, phase difference							
Measurement repetition precision	±1 ..1,5 %							
Waveform measurement	The voltage &b frequency of the waveform, the time of the waveform							
Trigger mode	Manual trigger（Include foot control）, External trigger, internal trigger, bus trigger							
Discriminant output	OK/NG display, LED lamp indication, buzzer warning							
Measurement statistics	Statistical functions including measurement time and measurement results, Save up to 20000							
Storage	interior	300 groups		150 groups	120 groups	300 groups	150 groups		120 groups
	U Disk	600 groups（Standard waveform data and measurement setting parameter, ditto）							
Interface	Handler（START,STOP,PASS,FAIL ,BUSY,EOC）RS232C USB Device（Support for USB TMC and USB CDC） USB Host（Support for FAT16 and FAT32, support for saving BMP,GIF,PNG image files, support for saving CSV format waveform data and statistics, support for saving settings fill）							
Power Supply Voltage	220V±10% 50Hz±5%							
Power consumption	≤50VA							
Work environment	temperature	0℃ - 40℃							
	humidity	≤75% R.H.							
Weight	5Kg							
Dimension(L×W×H)	350mm×400mm×132mm							

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