

# Impulse winding tester CS9918 series

## Product introduction

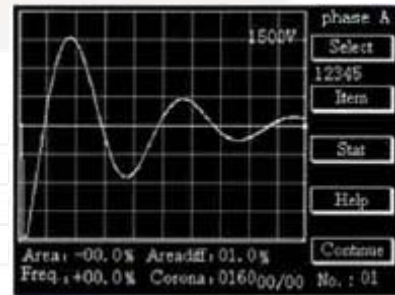


The digital impulse winding tester is applied to tests of various windings, such as motor, transformer, small inductance coil, micro motor, relay wire coil, and so on. Manufacturers must perform the product quality testing strictly before products leave factory, and high-voltage impulse should be applied to check product interturn insulation. CS9918 adopted MCU to deal with kinds of parameters of interturn insulation with high accuracy digital technique and computer, and then make a determination with visual real waveforms. The instrument automatically stored various setting testing parameters of standard sample

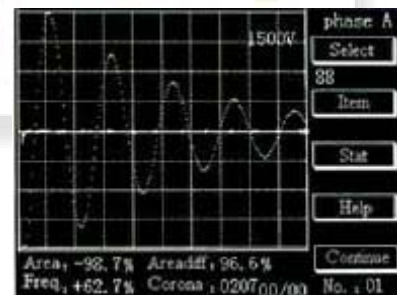
and compared the waveform of DUT with it automatically, which is used to determine whether the DUT is eligible. With this test, minimal change of quality in the product is directly displayed and is tested more accurately and visually compared with the traditional method.

## Product performance

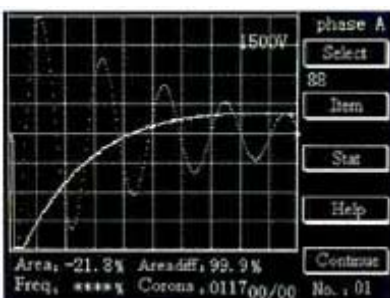
- 320\*240 graphic LCD
- Store standard waveforms inside the tester and compare the waveform of DUT with it automatically
- Continuous programmable test through channel A,B and C
- Comparison of waveform Area, Area tolerance, Frequency, or corona value between sampling waveform and standard waveform
- Pulse peak voltage:500-5000V with minimum step of 1V
- Maximum sampling rate: 40MHZ, and adjustable within 11grades,waveform zooming, and adjustable within 8 grades
- Minimum inductance measurement:10 uH
- Optional RS232, RS485, USB communication port
- Standard waveforms: 160 memories
- Maximum accuracy of pulse peak voltage:  $\pm 2\%$
- Threshold setting resolution: 0.1%
- Rise time: 1.2 us
- Waveform Area Repeatability:  $\pm 1\%$
- Waveform Area tolerance Repeatability: 1%
- Frequency repetition accuracy:  $\pm 1\%$
- User friendly: simple and convenient operation



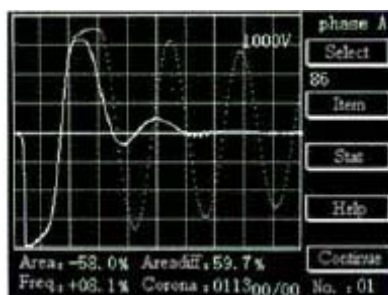
Normal waveform



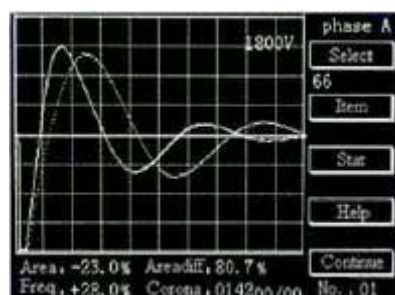
DUT dead short-circuit waveform



DUT open-circuit waveform



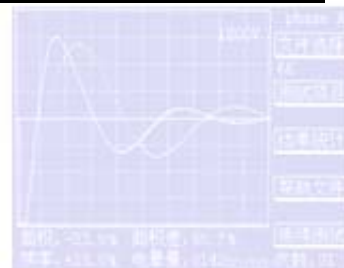
DUT partial short-circuit waveform



DUT winding lead wire misconnections

## Specifications

	<b>9918N</b>	<b>9918NA</b>	<b>9918NB</b>	<b>9918NC</b>
<b>Voltage Range</b>	(500-3000)V	(500-5000)V	(500-3000)V	(500-5000)V
<b>Sampling Frequency</b>	40 MHz	40 MHz	40 MHz	40 MHz
<b>Pulse Peak Accuracy</b>	±2 %	±2 %	±2 %	±2 %
<b>Threshold Gating Set Resolution</b>	0.1%	0.1%	0.1%	0.1%
<b>Pulse Repetition Cycle</b>	0.2 sg	0.2 sg	0.2 sg	0.2 sg
<b>Rise Time</b>	1.2 us	1.2 us	1.2 us	1.2 us
<b>The Waveform Area Repeatability</b>	±1%	±1%	±1%	±1%
<b>The Repeated Precision Of Waveform Area Difference</b>	1%	1%	1%	1%
<b>The Repeated Accuracy Of The Compared Frequency</b>	±1%	±1%	±1%	±1%
<b>Memory</b>	160	160	160	160
<b>Dimensions (mm)</b>	380x155x350	380x155x350	380x155x350	380x155x350
<b>Weight (aprox.)</b>	5 Kg	5 Kg	5 Kg	5 Kg
<b>Warranty</b>	1 year	1 year	1 year	1 year



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