

General Winding Testing Machine

Model: WTS-05

Winding Test System



Motor, transformer and coil tests are done on this unit!!

All in one tester for coil winding products!!

4 tests can be carried out with one unit

① Impulse test ② DC resistance test ③ AC voltage test ④ Insulation resistance test

Built-in 10 circuits switcher free selection

Additional options

① Impulse PD (partial discharge) test ※1 ② Inductance test ※2 ③ Rotation direction※2

※1 : PD sensor added ※2: Connected with specified measuring instrument

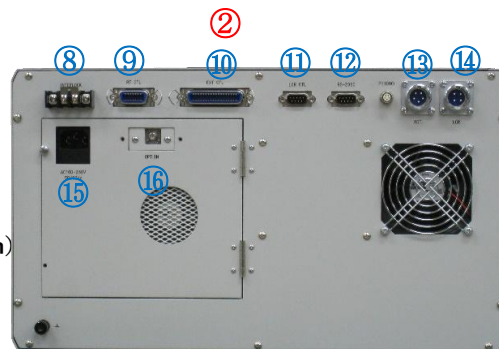
■ Front panel

- ① USB port for data storage
- ② Test probe terminal
- ③ GND probe terminal
- ④ Operation panel
- ⑤ START
- ⑥ STOP
- ⑦ Power witch



■ Back panel

- ⑧ Interlock
- ⑨ Rotation direction Tester control port
- ⑩ I / O external control terminal
- ⑪ LCR meter control port
- ⑫ External control RS-232C port
- ⑬ Rotation direction test input
- ⑭ LCR meter input
- ⑮ AC input
- ⑯ PD antenna connector (Option)



Specifications

Item	Specifications	
Impulse test	Applied voltage	0.5kV~5.0kV 0.1kV step
	Judgment item	Area, Diff-Area、Flutter or Laplacian
	Test inductance range	10μH less
DC resistance	Measurement range	30mΩ/300mΩ/3Ω/30Ω/300Ω
	Range of measure.	1.000mΩ~350.00Ω
	Temp. measure. range	-19.9~199.9
AC Hi-Pot	Test voltage	AC0.2kV~5.0kV (50Hz/60Hz)
	Output capacity	100VA (5.0kV、20mA)
	Measurement range	Upper limit 0.01~20.00mA Lower limit 0.01~19.99 mA /OFF
Insulation resistance	Test voltage	DC25V/50V/100V/250V/500V/1000V
	Measurement range	0.001~9990MΩ
	Discharge function	Discharge the electric charge stored in the test specimen
Test pattern	Number of channels	10 Channels Hi/Lo can be arbitrarily set
	Test step	Maximum 100 steps
Test Program		Maximum 250
General	External communication	RS-232C、I/O、USB (Data storage only)
	Accessories	AC cable 1, Test cable (1.5m) 10
	Dimension/Weight	W430×H245×D485 weight 27.5kg
	Power supply voltage	100V~240V

Option

Impulse Partial Discharge	Detection method	The electromagnetic discharge detection depends on the micro-sensor
	Judgment item	PD level ,PD count

Extended test (connection of measuring instruments and automatic testing is possible)

Inductance measurement	Connected device	3533 by HIOKI (RS232C option required)
Rotation direction test	Connected device	RMC-01C by ECG / 212 by EMATIC

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