

Integrated Winding Tester WTS-05

Automatic Winding Test System



All typical motor, transformer and coil tests are performed
with this instrument

All-in-one tester for any coil winding products

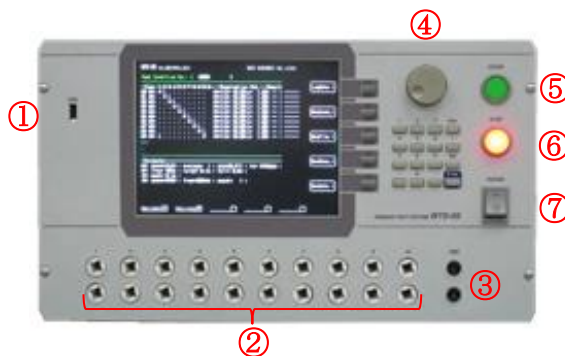
- 4 test methods can be performed with one instrument unit
① Surge/Impulse Test ② DC Resistance Test ③ AC High Voltage Test ④ Insulation Resistance Test
- Built-in 10 Channel/Lead Multiplexer 3-state (free selection)
- Additional options
① Impulse PD (partial discharge) Test ※1 ② Inductance Test ※2 ③ Rotation Direction ※2

※1: PD sensor integrated

※2: Connected with specified measuring instrument

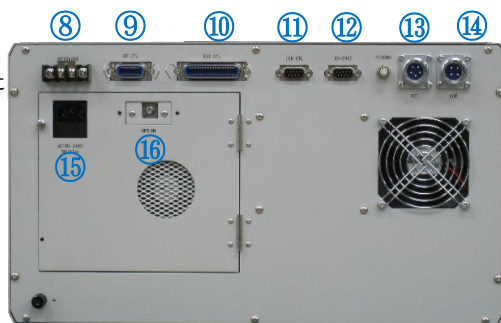
■ Front panel

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



■ Rear 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

Test Function	Specifications	
Impulse test	Applied voltage	0.5kV~5.9kV 0.1kV step
	Judgment methods	Area, Diff-Area, Laplacian
	Test inductance range	Min. 10μH
DC resistance	Measurement terminal	4 terminal measurement method
	Measurement range	1.000mΩ~300.00Ω
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 and OFF
Insulation resistance	Test voltage	DC25V/50V/100V/250V/500V/1000V
	Measurement range	0.001~9990MΩ
Test pattern	Number of switching	10 channels High/Low can be arbitrarily set
	Test step	Maximum 100 steps (total 200 steps)
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 27kg
	Power supply voltage	100V~240V

Option

Impulse Partial Discharge	Detection method	The electromagnetic discharge detection by Microwave sensor with patch antenna (narrow band 1.6GHz)
	Judgment item	PD level , PD counts

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 / 211 by Ematic

【NOTICE】

- Specifications · Design may be changed without notice due to reasons such as improvement.
- For the convenience of printing, there may be differences in the color and texture etc. of the actual product photos shown in the data sheet.