

Motor Rotor Testing System

6920 + 7605 + 6908

Features

- One stop motor coil measurement solution, measuring items included inductance, AC/DC hipot, impulse winding, DCR (temperature compensation) and welding resistance
- 4-wire DCR measurement
- The 6920 impulse winding tester is the host instrument, all settings can be completed on the host
- Storage file up to 100 sets
- Arcing detection function
- The impulse winding tester with waveform comparison is a non-destructive analysis
- PC connection data analysis software is available

Application

Motor, various stator and rotor coils



Specification

Model Name		MT-6920
Dcr Range (With Temperature Compensation)		0.1mΩ-100kΩ
Welding resistance		0.01mΩ -1Ω
DCR Accuracy		Low Resistance: 0.1mΩ-1Ω ±(0.2%±1mΩ) High Resistance: 1Ω-100KΩ ±0.1%
Measuring Mode		4-wire
Channel		24/48
Hipot	AC Output Voltage	100V-3000V
	DC Output Voltage	100V-3000V
	IR Output Voltage	100V-1000Vdc
	AC Leakage Current	0.001mA-10mA
	DC Leakage Current	0.001mA-5mA
	IR Lower Threshold	1-9999MΩ
	Arcing Detection	Detect gears from 0-9
	Measuring Time	0.1-99.9s Continuously adjustable
Measuring Time Accuracy		±(3% of setting+5V)
Impulse Winding	Impulse Voltage (programmable)	200V-3000V
	Impulse Voltage Accuracy	±2%
	Test Items	Total area comparison, differential area comparison, wave comparison, futter and coron

General

Test Point	Depends on the Number of Slots that Matches with the Customer Products (Fixtures)
Indicator	Pass/Fail Screen Display/Sound
Power Supply	Voltage 90-132Vac or 198-264Vac RS-232
Power Consumption	450VA (6920+7605+6908)
Interface	Storage of 100 rewritable data sets
Operation	Manual, RS-232
Environment	Temperature: 10°C-40°C, Humidity: 20-90%RH
Display	4.3" TFT, color screen (800*272) (7605) 320*240, 5.7" dot-matrix (6920)
Dimension (W*H*D)	435×145×522mm (7605) 435×190×522mm (6920) 435×145×522mm (6908)
Weight	14kg (7605), 15kg (6920), 7kg (6908)

Accessories / Fixtures

Standard

- Power Cord
- Temperature Test Probe
- HV Test Cable
- D-Sub Foot Switch
- Banana Plug Cable
- RS-232 Cable

Optional

- PC link software
- Customized Fixture
- Customized rackmount

Key Features

A Hipot Test Setting

Hipot Test Setting		File: 1
Voltage		1.00 kV
Frequency		50Hz
Dwell time		1.0 Sec
Ramp time		0.1 Sec
Maximum		1.000 mA
Minimum		0.000 mA
Arc sensor		0
Offset value		0.000 mA

Insulation Test Setting		File: B	1/0	ON/OFF					
Channel1+		152V							
Channel1-		246V							
Chan	1	2	3	4	5	6	7	8	
H-U+	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
H-U-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Arc Sen.		0							
DUT No.		1							

B Impulse Winding Setting

Surge Test Setting		File: 1	1/3
Bar+	L	L	6
Bar-	12	18	
Voltage	0.20 kV	1.00 kV	
Mode	Normal	Normal	
Area size	<input checked="" type="checkbox"/> +10.0%	<input checked="" type="checkbox"/> +30.0%	
Diff-size	<input checked="" type="checkbox"/> 10.0%	<input checked="" type="checkbox"/> 99.9%	
Flutter	<input checked="" type="checkbox"/> 1000	<input checked="" type="checkbox"/> 1000	
Wave comp.	<input checked="" type="checkbox"/> 5	<input checked="" type="checkbox"/> 32	
Corona	<input checked="" type="checkbox"/> 10	<input checked="" type="checkbox"/> 10	

