

# Motor Rotor Testing System

6920 + 7605 + 6908

## Feature

- One stop motor coil measurement solution, measuring items included inductance, AC/DC hipot, impulse winding, DCR (temperature compensation)
- 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



## Accessories / Fixtures

### Standard

- Power Cord
- User Manual (CD)
- Temperature Test Probe
- HV Test Cable
- Foot Switch
- Banana Plug Cable
- RS-232 Cable

### Optional

- PC link software
- Customized Fixture
- Customized rackmount

## Specification

Model Name	6920	
Dcr Range (With Temperature Compensation)	0.1mΩ-100kΩ	
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
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)

## Key Features

### A Hipot Test Setting

Hipot Test Setting	
File: 1	
Voltage	1000.00
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						
Channel+	1ESV						
Channel-	2468						
Chan 1	2	3	4	5	6	7	8
H-U	<input checked="" type="checkbox"/>						
H-W	<input checked="" type="checkbox"/>						
Arc Sen.	0						
DUT No.	1						

### B Impulse Winding Setting

Surge Test Setting	
File: 1	1/3
Bar+	L 6
Bar-	12 18
Voltage	0.20 kV 1.00 kV
Mode	Normal Normal
Area size	✓ ±10.0% ✓ ±30.0%
Dif-size	✓ 10.0% ✓ 99.9%
Flutter	✓ 1000 ✓ 1000
Wave comp.	✓ 5 ✓ 32
Corona	✓ 10 ✓ 10

