

# RJ6840/41 High-speed Safety Comprehensive Tester



## Product Description

RJ6840 High-speed Safety Comprehensive Tester is an integrated safety and electrical performance tester with built-in voltage withstand, insulation resistance, grounding resistance, leakage current, power and low-voltage start-up tests. 8 functions performed by the tester can be completed 4 seconds at the fastest, dramatically improving line efficiency.

## Key Features

- Meet the test requirements of CCC, IEC, EN, VDE, BS, UL, JIS and other mandatory standards for electrical safety;
- AC voltage withstand, DC voltage withstand, grounding, insulation, leakage, starting, power items automated articulation test;
- With multi-level power setting and intelligent judgment, it is especially suitable for automatic testing of multi-speed electrical appliances such as electric fan, hood, induction cooker and so on.
- The four safety tests can be completed in 4 seconds at the fastest;
- 30 test groups, 8 test steps per group, convenient operation;
- Automatic testing can be realized;

## Selection Guide

Model	AC voltage withstand and	DC voltage withstand test	Insulation	Grounding	Leakage	Power	Multi-speed power	Low-voltage starting voltage	Open Short Circuit	Variable Frequency Power Supply
RJ6840A(4-in-1)	√	×	√	√	√	×	×	×	×	

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RJ6840B(6-in-1)	√	×	√	√	√	√	×	√	×	Internal 200W power supply
RJ6840C(8-in-1)	√	√	√	√	√	√	×	√	√	
RJ6840P(7-in-1)	√	×	√	√	√	√	√	√	×	
RJ6841A(4-in-1)	√	×	√	√	√	×	×	×	×	
RJ6841B(6-in-1)	√	×	√	√	√	√	×	√	×	
RJ6841C(8-in-1)	√	√	√	√	√	√	×	√	√	

## Specification

Model	RJ6840/41	
Ground resistance test	Open circuit output voltage	<12V
	Output Current Setting	Range/Resolution/Accuracy 3A~30A/1A/±(3%rdg.+0.1A)
	Current Frequency Setting	Range/Accuracy 50Hz/60Hz/±0.1%
	Resistance limit setting	Range/Resolution 3A~10A:1mΩ~600mΩ/1mΩ 11A~25A:1mΩ~300mΩ/1mΩ 26A~30A:1mΩ~200mΩ/1mΩ
	Lower resistance limit setting	Range/Resolution 0mΩ~100mΩ/1mΩ
	Time setting	Range/Resolution/Accuracy 1.0s~999.9s/0.1s/±(1%st.+2dgt.)
	Resistance Measurement	Range/Resolution/Accuracy 1mΩ~600mΩ/1mΩ/±(3%rdg.+5dgt)
Insulation Resistance Test	Output Capacity	2VA(1000V/2mA)
	Output Voltage	Range/Resolution/Accuracy 200V~1000V/1V/±(3%rdg.+3dgt.)
	Lower resistance limit setting	Range/Resolution 0.3MΩ~99.9MQ/100MΩ~2000MΩ/0.1MQ/1MΩ
	Resistance limit setting	Range/Resolution 0.0MΩ~99.9MΩ/100MΩ~2000MΩ/0.1MΩ/1MΩ
	Time setting	Range/Resolution/Accuracy 1.0s~999.9s/0.1s/±(1%st.+2dgt.)
	Resistance Measurement	Range/Resolution/Accuracy 1.0MQ~99.9MΩ/0.1MQ/±(3%rdg.+3dgt.) 100MQ~2000MQ/1MΩ/±(8%rdg.+8dgt.)
AC Voltage Withstand and Test	Output Capacity	100VA
	Output Voltage	Range/Resolution/Accuracy 300V~5000V/1V/±(3%rdg.+10dgt.)
	Voltage Frequency	Range/Accuracy 50Hz/60Hz/±0.1%
	Current lower limit setting	Range/Resolution 0.00mA~20.00mA/0.01mA
	Current Upper Limit Setting	Range/Resolution 0.10mA~20.00mA/0.01mA
	Time setting	Range/Resolution/Accuracy 1.0s~999.9s/0.1s/±(1%st.+2dgt.)
	Current Measurement	Range/Resolution/Accuracy 0.10mA~20.00mA/0.01mA/±(3%rdg.+3dgt.)
DC voltage withstand	Produced grain weight	40VA

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and test	Output Voltage	Range/Resolution/Accuracy	300V~4000V/1V/±(3%rdg.+20dgt.)
	Current lower limit setting	Range/Resolution	0.000mA~9.999mA/10.001mA
	Current Upper Limit Setting	Range/Resolution	0.100mA~9.999mA/0.001mA
	Time setting	Range/Resolution/Accuracy	1.0s~999.9s/0.1s/±(1%st.+2dgt.)
	Current Measurement	Range/Resolution/Accuracy	0.010mA~9.999mA/0.001mA/±(3%rdg.+5dgt.)
Leakage current test	Current lower limit setting	Range/Resolution	0μA~9999μA/1μA
	Current Upper Limit Setting	Range/Resolution	50μA~9999μA/1μA
	Time setting	Range/Resolution/Accuracy	2.0s~999.9s/0.1s/±(1%st.+2dgt.)
	Voltage measurement	Range/Resolution/Accuracy	60V~280V/1V/±(0.5%rdg.+2dgt.)
	Current Measurement	Range/Resolution/Accuracy	50μA~9999μA/1μA/ DC~10KHz:±(3%rdg.+10dgt.) 10kHz~1MHz:±(5%rdg.+50dgt.)
Start-up test	Current upper and lower limit settings	Range/Resolution	0.00A~25.00A/0.01A
	Time setting	Range/Resolution/Accuracy	1.0s~999.9s/0.1s/±(1%st.+2dgt.)
	Middle Voltage measurement	Range/Resolution/Accuracy	60V~280V/1V/±(0.5%rdg.+2dgt.)
	Current Measurement	Range/Resolution/Accuracy	0.030A~3.999A/0.001A/±(0.5%rdg.+20dgt.) 4.00A~25.00A/0.01A/±(0.5%rdg.+2dgt.)
Power Test	Power upper and lower limit settings	Range/Resolution	0W~6000W/1W
	Time setting	Range/Resolution/Accuracy	1.0s~999.9s/0.1s/±(1%st.+2dgt.)
	Voltage measurement	Range/Resolution/Accuracy	60V~280V/1V/±(0.5%rdg.+2dgt.)
	Current Measurement	Range/Resolution/Accuracy	0.030A~3.999A/0.001A/±(0.5%rdg.+20dgt.) 4.00A~25.00A/0.01A/±(0.5%rdg.+2dgt.)
	Power Measurement	Range/Resolution/Accuracy	30.0W~199.9W/10.1W/±(0.5%rdg.+50dgt.) 200W~6000W/1W/±(0.5%rdg.+30dgt.)
	Power Factor Measurement	Range/Resolution/Accuracy	0.10~1.00/0.01/±(2%rdg.+2dgt.)
Open-short circuit	Resistance upper and lower limit settings	Range/Resolution	1Ω~500Ω/12
	Time setting	Range/Resolution/Accuracy	1.0s~999.9s/0.1s/±(1%st.+2dgt.)

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	Resistance Measurement	Range/Resolution/Accuracy	1Q~500Ω/1Q/±(2%rdg.+2dgt.)
Other indicators	External Interfaces		RS232, PLC, power supply communication interface, alarm light interface
	Operating Environment		0°C~40°C,20%RH~70%RH
	Power Supply		AC220V,50/60Hz
	Weight		25.3kg
	External Dimension		449mm×151mm×600mm(W×HxD) excluding under-chassis, with under-chassis height of 15mm
	Accompanying documents and Accessories		1 instruction manual, 1 power cable (1.5m), 1 communication cable (1.5m), 1 set of test cable.