

RJ684X High-speed Safety Comprehensive Tester



Product Description

RJ684X 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. 4 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;
- Has multi-speed power setting, intelligent determination, especially suitable for electric fan, range hood, induction cooker and other multi-speed electrical automatic test.
- The four safety tests can be completed in 4 seconds at the fastest;
- 30 test groups, 8 test steps per group, convenient operation;
- Can realize automatic testing;
- RS232 interface, PLC interface, power communication interface, alarm lamp interface.

National Service hotline: 4008-515-616

No.38 Longfei Road, Chengyang District, Qingdao

Official website: www.ruijie-ate.com

Selection Guide

Model	AC voltage withst and	DC voltage withst and test	Insulation	Grounding	Leakage	Power	Multi-speed power	Low-voltage starting voltage	Open Short Circuit	Variable Frequency Power Supply
RJ6840A(4-in-1)	√	×	√	√	√	×	×	×	×	Internal 200W power supply
RJ6840B(6-in-1)	√	×	√	√	√	√	×	√	×	
RJ6840C(8-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 / $\pm(3\%\text{rdg.}+0.18\text{A})$
	Current Frequency Setting	Range/Accuracy 50Hz / 60Hz / $\pm 0.1\%$
	Resistance limit setting	Range/Resolution 3A~10A: 10mΩ~600mΩ / 1mΩ 11A~25A: 10mΩ~300mΩ / 1mΩ 26A~30A: 10mΩ~200mΩ / 1mΩ
	Lower resistance limit setting	Range/Resolution 0mΩ~100mΩ / 1mΩ
	Time setting	Range/Resolution/Accuracy 1.0s~999.9s / 0.1s / $\pm(0.1\%\text{st.}+0.5\text{dgt.})$
	Resistance Measurement	Range/Resolution/Accuracy 1mΩ~600mΩ / 1mΩ / $\pm(3\%\text{rdg.}+5\text{dgt.})$
Insulation Resistance Test	Output Capacity	2VA(1000V/2mA)
	Output Voltage	Range/Resolution/Accuracy 200V~1000V / 1V / $\pm(3\%\text{rdg.}+3\text{dgt.})$
	Lower resistance limit setting	Range/Resolution 0.3MΩ~99.9MΩ/100MΩ~3000MΩ / 0.1MΩ/1MΩ
	Resistance limit setting	Range/Resolution 0.0MΩ~99.9MΩ/100MΩ~3000MΩ / 0.1MΩ/1MΩ
	Time setting	Range/Resolution/Accuracy 1.0s~999.9s / 0.1s / $\pm(0.1\%\text{st.}+0.5\text{dgt.})$
	Resistance Measurement	Range/Resolution/Accuracy 1.0 MΩ~99.9MΩ/0.1MΩ/ $\pm(3\%\text{rdg.}+3\text{dgt.})$ 100 MΩ~2000MΩ/ 1MΩ / $\pm(8\%\text{rdg.}+8\text{dgt.})$
AC Voltage Withst and Test	Output Capacity	100VA (5000V/20mA)
	Output Voltage	Range/Resolution/Accuracy 300V~5000V / 1V / $\pm(3\%\text{rdg.}+10\text{dgt.})$
	Voltage Frequency	Range/Accuracy 50Hz / 60Hz / $\pm 0.1\%$
	Current lower limit setting	Range/Resolution 0.00mA~10.00mA / 0.01mA
	Current Upper Limit Setting	Range/Resolution 0.10mA~20.00mA / 0.01mA
	Time setting	Range/Resolution/Accuracy 2.0s~999.9s / 0.1s / $\pm(0.1\%\text{st.}+0.5\text{dgt.})$
	Current Measurement	Range/Resolution/Accuracy 0.10mA~20.00mA/0.01mA/ $\pm(3\%\text{rdg.}+3\text{dgt.})$
DC voltage withst	Produced grain weight	40VA (4000V/10mA)

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and test	Output Voltage	Range/Resolution/Accuracy	300V~4000V / 1V / $\pm(3\%rdg.+10dgt.)$
	Current lower limit setting	Range/Resolution	0.000mA~9.999mA /0.001mA
	Current Upper Limit Setting	Range/Resolution	0.010mA~9.999mA /0.001mA
	Time setting	Range/Resolution/Accuracy	1.0s~999.9s / 0.1s / $\pm(0.1\%st.+0.5dgt.)$
	Current Measurement	Range/Resolution/Accuracy	0.001mA~9.999mA/0.001mA/ $\pm(3\%rdg.+5dgt.)$
Leakage current test	Current lower limit setting	Range/Resolution	0 μ A ~9999 μ A / 1 μ A
	Current Upper Limit Setting	Range/Resolution	0 μ A ~9999 μ A / 1 μ A
	Time setting	Range/Resolution/Accuracy	2.0s~999.9s / 0.1s/ $\pm(1\%st.+2dgt.)$
	Voltage measurement	Range/Resolution/Accuracy	60V~280V / 1V / $\pm(0.5\%rdg.+2dgt.)$
	Current Measurement	Range/Resolution/Accuracy	50 μ A ~9999 μ A / 1 μ A / DC ~10kHz: $\pm(3\%rdg.+10dgt.)$ 10kHz~ 1MHz: $\pm(5\%rdg.+50dgt.)$
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/ $\pm(1\%st.+2dgt.)$
	Middle Voltage measurement	Range/Resolution/Accuracy	60V~280V / 1V / $\pm(0.5\%rdg.+2dgt.)$
	Current Measurement	Range/Resolution/Accuracy	0.030A~3.999A /0.001A/ $\pm(0.5\%rdg.+20dgt.)$ 4.00A~25.00A /0.01A / $\pm(0.5\%rdg.+2dgt.)$
Power Test	Power upper and lower limit settings	Range/Resolution	0W~6000W / 1W
	Time setting	Range/Resolution/Accuracy	1.0s~999.9s / 0.1s / $\pm(1\%st.+2dgt.)$
	Voltage measurement	Range/Resolution/Accuracy	60V~280V / 1V / $\pm(0.5\%rdg.+2dgt.)$
	Current Measurement	Range/Resolution/Accuracy	0.030A~3.999A /0.001A / $\pm(0.5\%rdg.+20dgt.)$ 4.00A~25.00A /0.01A / $\pm(0.5\%rdg.+2dgt.)$
	Power Measurement	Range/Resolution/Accuracy	30.0W~199.9W /0.1W / $\pm(0.5\%rdg.+50dgt.)$ 200.0W~6000.0W /0.1W / $\pm(0.5\%rdg.+30dgt.)$
	Power Factor Measurement	Range/Resolution/Accuracy	0.10~1.00 /0.01 / $\pm(2\%rdg.+2dgt.)$
Open-short circuit	Resistance upper and lower limit settings	Range/Resolution	1 Ω ~500 Ω / 1 Ω
	Time setting	Range/Resolution/Accuracy	1.0s~999.9s / 0.1s / $\pm(1\%st.+2dgt.)$
	Resistance Measurement	Range/Resolution/Accuracy	1 Ω ~500 Ω / 1 Ω / $\pm(2\%rdg.+2dgt.)$
Other indicators	External Interfaces	RS232, PLC, power supply communication interface, alarm light interface	
	Operating Environment	0°C~40°C, 20%RH~75%RH	
	Power Supply	AC220V, 50/60Hz	
	Net weight	25.3kg	
	External Dimension	449mm×151mm×600mm(W×H×D) without foot, foot height 15mm	
	Attachment	1 instruction manual, 1 power cable (1.5m), 1 communication cable (1.5m), 1 set of test cable.	