

RDLC-501 Single Phase Capacitance Tester

The instrument can measure the single capacitor of group shunt capacitor without removing the wire, using advanced measuring principle and four terminal measuring technology, which can accurately measure and test, and has good repeatability, and meets the national standard of SJ-255-10300 capacitance measuring instrument. At the same time, it can also measure the inductance of various reactors. The instrument has the advantages of convenient wiring, simple operation, reducing the workload of maintenance personnel, greatly improving the field test efficiency, and providing security for the normal operation of the power grid.



Product features

1. The instrument can measure the single capacitance or single-phase capacitance of group shunt capacitors without removing the wires. At the same time, the instrument can also measure the inductance of various reactors, which can meet the needs of various field application.
2. When measuring, the instrument can display the measured capacitance value or inductance value, as well as the measured voltage, current, power, frequency, impedance, phase angle and other data, so as to better analyze the quality of the sample.
3. The instrument adopts 8.0-inch 800×600 graphics dot matrix K600 + 65K color dngus screen with touch control operation. It can be observed clearly during the day and night, and the menu prompt is easy to operate.
4. The instrument has built-in large capacity nonvolatile memory, which can store 200 groups of measurement data.

5. The instrument is equipped with U disk interface, which can store any group of measurement data (limited by the capacity of U disk).
6. The instrument has built-in high-precision real-time clock function: it can calibrate the date and time.
7. The instrument is equipped with high-speed micro thermal printer, which can print measurement and historical data.
8. Instrument test power over-current protection function: power output short circuit will not damage the instrument.



Product specifications and technical parameters

Model.No	RDLC-501
Test voltage	AC 25V±10%, 50Hz; AC 1.25V±10%, 50Hz 25VA
Measurement range and accuracy	
Measurable capacitance range	0.1uF~6800uF ± (Reading1%+0.01uF)
Measurable inductance range	50uH~20H ±(Reading3%+0.01mH)
Measurable current range	5mA~20A±(Reading3%+0.1mA)
Measurable resistance range	50mΩ~20kΩ±(Reading3%+1mΩ)
Overall dimension	405mm×330mm×180mm
Weight of instrument	8.5Kg (excluding test line)
Service conditions	
Ambient temperature	-20℃~40℃
Ambient humidity	≤85%RH
Working power supply	AC220V±10%, 50±1Hz



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