

RDJL-602 Calibrate Energy Meter

RDJL-602 three-phase watt hour meter calibrator is specially designed for on-site inspection of high-voltage power grid metering device operation and fault detection. Due to the use of high-precision internal transformer and clamp type transformer for sampling, the operator can quickly, safely and reliably measure the meter recording error and wiring error. It provides an effective basis for the power system inspectors to check the electricity theft, leakage, find the fault of the metering device, correctly measure and recover the electricity. The calibrator adopts the popular ARM processor, 168m main frequency and 128M memory, and can expand 4G memory card. LCD adopts 7-inch high-definition color touch screen, combined with EMWIN display interface, which makes the instrument interface friendly and easy to operate. It can be operated on full touch screen without keyboard. The instrument supports the seamless connection between the file system and the computer.



Product features

1. The basic error of field calibration sheet, three-phase watt hour meter and power acquisition terminal.
2. Under the condition of no power cut and no change of the wiring of the metering circuit, the error of the metering device is detected, so as to judge whether the metering device is faulty.
3. It can measure voltage, current, power, phase angle, power factor, frequency and other electrical parameters, so as to accurately judge and detect the fault of metering device circuit.
4. Display the vector diagram of three-phase voltage and current, which can directly check the wiring error of metering device.

5. Clamp type transformer is used to measure the current loop, so that the operator can measure the current quickly, simply, safely and reliably without opening the current loop.
6. The comprehensive error of reactive energy meter can be detected without changing the wiring.
7. The instrument has the functions of waveform display and harmonic analysis. The instrument can display voltage and current waveforms simultaneously or separately. The instrument can analyze 1-32 harmonic content and harmonic value, and draw a histogram.
8. The instrument has built-in EMWIN operating system, supports full spelling Chinese character input method, 7-inch true color LCD display, full touch operation and keyboard operation. The design is user-friendly and easy to operate. One screen can display a variety of electrical parameters.
9. The instrument supports DBF database management and query, USB disk export, Excel spreadsheet opening, and no background software operation



Product specifications and technical parameters

Model.No	RDJL-602
Voltage	2 ~ 450V, automatic conversion limit, minimum resolution 0.01V
Current	built in CT 0.1-5A, accuracy 0.05 grade (10A optional) External clamp CT: 0.1 ~ 5 A, accuracy is 0.1 grade (10A optional)
Power measurement	Active power: 0 ~ 99999W, minimum resolution: 0.01W
	Total active power: 0-999999W, minimum resolution: 0.01 W
	Reactive power: 0 ~ 99999Var, minimum resolution: 0.01Var
	Total reactive power: 0-999999 Var, minimum resolution: 0.01Var
	Power factor: 0.001 ~ 1, minimum resolution: 0.0001
Phase angle	0 ~ 359.9 °, minimum resolution 0.0001°

Frequency	45 ~ 55Hz, resolution: 0.0001hz
Working temperature	- 20 °C ~ + 50 °C
Working power supply	AC 80V ~ 265V
Power consumption	≤ 3VA



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