

## GDKC-15A High Voltage Circuit Breaker Analyzer



### Product Description

High voltage circuit breaker is one of the most important control equipment in the power system. GDKC-15A is used to test the dynamic characteristics of high voltage circuit breaker. It is easy to operate, with high accuracy.

### Features

- Embedded industrial control computer. The main board is based on the Cortex™-A8, the main frequency is 1GHz and the flash memory is 1GB. The booting speed is only 16 seconds. 8.4-inch color screen, windows operating system, intuitive user-friendly interface, touch screen, support for Chinese and English input, easy to operate.
- High-speed thermal printers facilitate field printing of test data.

- Internal integrated power supply, no need for on-site secondary power supply, easy to use. Can provide DC10 ~ 260V adjustable power supply, current is 20A. Arbitrarily set the action voltage of the opening and closing coils, and can be used for low-voltage action test of circuit breaker.
- Equipped with a linear sensor, a rotation sensor, a universal sensor and a bracket, and a special fixed multifunctional joint, the installation is extremely convenient and simple.
- Applicable to all models of domestic and foreign production of SF6 switches, GIS combination appliances, vacuum switches, oil switches.
- Switch action once, get all the data and graphics
- The host can store 30000 sets of field test data (extensible memory card), real-time clock inside the machine, easy to archive.
- Equipped with U disk interface, can directly save the data to U disk, upload it to the computer for analysis and save.
- Able to measure 12 metal contact and 3(6) double-end grounded switch at the same time.
- Including enveloping line, through the numeric value of multi switch test (2-10) to generate standard enveloping line, carry out analysis and comparison, the analysis of switch vibration frequency can also be carried out.
- Internal anti-interference circuit can meet the reliable use of 800KV substation.

## Specifications

Timing measurement	12 contacts Inherent open (close) time
	Open (close) in phase synchronization
	Open(close) phase-to-phase synchronization
	Close (open) bounce time (number of bounce)
	Test range: 0.01ms to 18000ms, resolution: 0.01ms
Double-end grounded switch measurement	3(6) contacts Inherent open (close) time
	Open (close) in phase synchronization
	Close (open) bounce time and waveform
Velocity measurement	Just open (just close) velocity
	Specified time period (travel or angle) average velocity
Velocity measurement range	1mm sensor 0.01~25.00m/s
	0.1mm sensor 0.001 to 2.50m/s
	0.5°angle sensor 1 wave cycle / 0.5°
	Moving contact travel (travel)
	Contact travel (open distance)
	Travel overshoot and return (over-travel)

Travel measurement	Sensor: 50mm, Resolution: 0.1mm
	360 line sensor: 360°, resolution: 0.5°
	Optional sensor: 300mm, 1000mm, acceleration sensor
Current display	Maximum current 30A, resolution: 0.01A
Instrument power supply	AC/DC 220V±10%; 50Hz±2%
DC power output	DC power output: DC20~260V continuously adjustable, DC110V≤30A (short-term), DC220V≤20A (short-term)
External trigger voltage	AC/DC10-300V, current≤120A
Isolated switch measurement range	Voltage output: DC10~260V (adjustable);
	Power output time: 0.01-20 seconds (can be set);
	The maximum acquisition time of the fracture signal is 200 seconds;
	Measurable fracture open, close time, three phases different period, bounce time and time
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Host volume	360*260*170mm
Operating Environment	-20°C~+50°C