



## GDKC-12A Circuit Breaker Analyzer



### Product Description

---

High voltage circuit breaker is one of the most important control equipment in the power system.

GDKC-12A is used to test the dynamic characteristics of high voltage circuit breaker. It is easy to operate, with high accuracy.

### Features

---

- Time: the open/close time, in phase synchronization, phase-to-phase synchronization of 12contacts.

- Reclose: close-open, open-close, open-close-open time for each contact.
- Bounce: Close bounce time, times, process and waveform of each contacts.
- Velocity: Velocity at contact touch, maximum speed, time-range characteristic curve.
- Travel: Total travel, open travel, over travel, travel overshoot, bounce amplitude.
- Current: open/close current, current waveform diagram of the open/close coil.
- Operation voltage: built-in DC30~250V/20A digital, adjustable power source of breaker, automatically complete LV action test of circuit breaker and measure action voltage value of circuit breaker.
- It is suitable to test the mechanism parameters of all types of SF6 circuit breaker, GIS combination electric equipment, vacuum circuit breaker, oil circuit breaker.
- Strong anti-interfere ability. It also can easily test and accurately measure even interbus is live in 500kV substation.
- With universal velocity sensor(optional), linear velocity sensor, rotary sensor, easy to install.
- Only one time action to obtain all data and corresponding waveform of breaker mechanism test.
- Storage test data, built-in real-time clock, which is convenient to save test date and time.
- LCD screen display, with contrast adjustment and power-off memory.
- Built-in printer, to get all data and diagram at any time quickly.

## Specifications

---

- 1.1 Using Environments

Input Power: 220V± 10% 50Hz± 10% Air Pressure: 86~106kpa

Temperature: -10~40 degree

Humidity: 80%RH

1.2 Safety Performance

Insulation Resistance>2MΩ

Dielectric Strength: Chassis can withstand voltage 1.5kv and power frequency for 1 minute without flash-over and arcing.

1.3 The Basic Parameters

A. Time: Range 25000.0ms resolution 0.01ms

Error 250ms 0.01ms ± 1digit

2500ms 0.1ms ± 1digit

25000ms 1ms ± 1digit

Same period

B. Velocity: Range 20.00m / s resolution 0.01m / s

Error 0-2m / s ± 0.1m / s ± 1digit

Above 2ms ± 0.2m / s ± 1 digit

C.Range:

	Range	Resolution	Error
Vacuum breaker	50.0mm	0.1mm	0.1±1digit

SF6 circuit breaker	300.0mm	1mm	
Oil circuit breaker	600.0mm		

D. Current: Range 20.00A resolution 0.01A

E. Output power: DC0 ~ 300V digital adjustable / 20A (instantaneous work), resolution 1V.

F. Dimensions: 360mm (L) × 280mm (W) × 300mm (H)

G. Weight: 10kg