GDKC-13A High Voltage Circuit Breaker Analyzer

General Information

High voltage circuit breaker is one of the most important control equipment in the power system. GDKC-13A is used to test the dynamic characteristics of high voltage circuit breaker. It is easy to operate, with high accuracy.

Features

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

2.Reclose: close-open, open-close, open-close-open time for each contact.

3.Bounce: Close bounce time, times, process and waveform of each contacts.

4.Velocity: Velocity at contact touch, maximum speed, time-range characteristic curve.
5.Travel: Total travel, open travel, over travel, travel overshoot, bounce amplitude.
6.Current: open/close current, current waveform diagram of the open/close coil.
7.Operation voltage: built-in DC25～250V/20A digital, adjustable power source of breaker, automatically complete LV action test of circuit breaker and measure action voltage value of circuit breaker.
8.Dry contact: equivalent to the function of a switch, regardless of AC and DC , regardless of positive and negative. Allow a maximum current of 15 amps.
9.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.
10.Strong anti-interfere ability. It also can easily test and accurately measure even interbus is live in 500kV substation.
11.With universal velocity sensor(optional), linear velocity sensor, rotary sensor, easy to install.
12.Only one time action to obtain all data and corresponding waveform of breaker mechanism test.
13.Storage test data, built-in real-time clock, which is convenient to save test date and time.
14.LCD screen display, with contrast adjustment and power-off memory.
15.Buit-in printer, to get all data and diagram at any time quickly.

Specification

Usage Environment	
Input Power	220V±10%, 50Hz±10%
Air Pressure	86-106kpa

Temperature	-10-40℃
Humidity	≤80%RH
Safety Performance	
Insulation Resistance	>2MΩ
Dielectric Strength	Shell can withstand power frequency voltage 1.5kV at 1 minute without flashover and arcing.
Basic Parameters	
a. Time	Range 4000.0+6000.0 ms Resolution 0.1ms Error 0.1ms ± 1digit within 100ms 0.1% ± 1digit more than 100ms Same period
b. Velocity	Range 20.00m/s resolution 0.01m / s Error ± 0.1m / s ± 1digit within 0-2m/s ± 0.2m / s ± 1digit more than 100ms

<table>
<tr><td>c. Range</td><td><table>
<tr><td></td><td>Range</td><td>Resolution</td><td>Error</td></tr>
<tr><td>Vacuum breaker</td><td>50.0mm</td><td>0.1mm</td><td>1%±1digit</td></tr>
<tr><td>SF6 circuit breaker</td><td>300.0mm</td><td>1mm</td><td></td></tr>
<tr><td>Oil circuit breaker</td><td>600.0mm</td><td></td><td></td></tr>
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<tr><td>d. Current</td><td>range 20.00A resolution 0.01A</td></tr>
<tr><td>e. Output power</td><td>DC25-250V digital adjustable / 20A(instantaneous working), resolution 1V</td></tr>
<tr><td>f. Dimensions</td><td>360mm (L)* 280mm (W)* 300mm (H)</td></tr>
<tr><td>g. Weight</td><td>9kg</td></tr>
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