

HTGK-IV HV Switch Tester



I. Introduction

HTGK-IV takes SCM as core to sample, process and output, intelligent, multi-function, data accurate, strong anti-interference , simple operation, small size, light weight , beautiful appearance , etc. It applies to a variety of indoor, outdoor dynamic characteristics test for less oil, more oil switches, vacuum switches, and SF6 switches. The biggest difference in this high-voltage switch dynamic characteristics tester that can be configured universal speed sensor (accelerometer).

II. Features

1. Time: 12 contacts' fixed opening time and closing time, in-phase same time, out-phase same time.
2. Reclose: close-open, open-close, open-close-open for each breaker; process time: 1 opening time, 1 closing time, 2 closing time, metal short circuit time, no-current time.
3. Springing: closing springing time, springing numbers, springing waveform for each breaker; rebound magnitude for each breaker.
4. Speed: instant opening, closing speed, max speed, time-range characteristic curve.
5. Range: total range, open range, over-range, overriding range, rebound magnitude.
6. Current: opening/closing current of opening/closing coil, current waveform diagram.
7. Action voltage: DC30-250V/20A digital adjustable power circuit breaker, auto finish the breaker low voltage action test, measure the breaker action voltage.

III. Parameters

Service condition	Input power	220V±10% 50Hz±10%
	Atmospheric pressure	86~106kpa °C
	Temperature	-10~40°C
	Humidity	≤80%RH
Safety Performance	Insulation resistance	>2MΩ
	Dielectric strength	Power to chassis frequency voltage withstands 1.5KV, 1 min, no flashover and arcing.
Basic parameters	Time	Range: 4000.0ms, resolution: 0.1ms error: ①<100ms, 0.1ms±1d ②>100ms, 0.1%±1d ③synchronous
	Speed	Range: 20.00m/s, resolution 0.01m/s error:①0~2m/s : ±0.1m/s±1d

		②>2m/s, ±0.2m/s±1d
	Range	Vacuum Circuit Breaker: range-50.0mm, resolution-0.1mm, error-1%±1d SF6 Circuit Breaker: range-300.0mm, resolution-1mm, error-1%±1d Oil-minimum breaker: range-600.0mm, resolution-1mm, error-1%±1d
	Current	Range: 20.00A, resolution: 0.01A
	Output power	DC30~250V digitally adjustable /20A (Instantaneous work)
	Dimension	360×280×300mm ³
	Weight	9kg

IV. Accessories

