



H.V. TEST

Specialists in High Voltage
Testing & Diagnostics

HVCBA12100A Circuit Breaker Timer (12 Channel, 100A)

The HVCBA12100A Circuit Breaker Analyzer is a Portable Circuit Breaker Analyser is an intelligent, multi-function, data accurate, strong anti-interference, simple operation, small size, light weight. It applies to a variety of indoor, outdoor dynamic characteristics test for oil switches, vacuum switches, and SF6 switches.

- The unit suitable for testing SF6 switchgear, GIS combination of electrical, vacuum switch, oil switch and the mechanical test
- Universal speed transducer, linear transducer, rotary transducer
- During the switching operation the mechanical operation is obtained and the corresponding waveform is saved.

Features:

- 12 Main Contact Channels
- 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.
- Damping: Bounce time, bounce process, bounce waveform; the rebound amplitude of each break.
- Velocity: Just score, rigid speed, maximum speed, time-stroke characteristic curve.
- Travel: Total trip, open distance, over trip, over stroke, rebound amplitude.
- Coil current: opening and closing current value and current waveform diagram of the coils.
- Operation voltage: DC 270V / 20A digital adjustable circuit breaker action power supply is provided in the machine to automatically complete the low voltage action test of the circuit breaker and measure the action voltage value of the circuit breaker.
- Test data is saved on the unit
- LCD display
- Built-in printer, for quick print results
- Data analysis and management software, with PC online operation



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H.V. TEST

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TECHNICAL SPECIFICATIONS

Input and environmental

- Enter the power supply 220V $\pm$ 10% 50Hz $\pm$ 10%
- Atmospheric pressure 86~106kpa
- Temperature -10~40°C
- Humidity 80% Relative Humidity, Non-Condensing

Safety performance

- Insulation Resistance >2M Ω
- Dielectric Strength 1.5KV power supply chassis work frequency withstand voltage 1minute, no flashover and arcing.

Measurements

- Time range: 20000.0ms
- Resolution 0.1ms
- Accuracy 200ms 0.1ms $\pm$ 2 digit
2000ms 0.1% $\pm$ 2 digit
20000ms 0.1% $\pm$ 2 digit
- Speed 20.00m/s
- Resolution 0.01m/s
- Accuracy 0-2m/s $\pm$ 0.1m/s $\pm$ 1 digit
>2m/s $\pm$ 0.2m/s $\pm$ 1word
- Current 10.00A
- Resolution range 0.01A
- Output power DC 0 ~ 300V digital adjustable / 20A
- Resolution 1V
- Dimensions: 360mm (L) $\times$ 280mm (W) $\times$ 300mm (H)
- Weight 9kg
- Standards CE/ISO/IEC

