



H.V. TEST

Specialists in High Voltage
Testing & Diagnostics

HVCBA120 Circuit Breaker Analyser (12 Channel)

The HVCBA120 Circuit Breaker Analyser 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 domestic and foreign production of SF6 switchgear, GIS combination of electrical, vacuum switch, oil switch and the mechanical test.

Features:

- 12 Main contacts – opening time and closing time, in-phase same time, out-phase same time. 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.
- Charging Spring: bounce and rebound magnitude for each breaker
- Speed: instant opening, closing speed, max speed, time-range travel curve.
- Range: total range, open range, over-range, overriding range, rebound magnitude.
- Coil Current: opening/closing current of opening/closing coil, current waveform diagram.
- Stroke: total trip, open distance, over-travel, the overshoot travel, rebound amplitude.
- Operating Voltage: DC30 ~ 250V/20A digital machine adjustable breaker operation power supply, to automatically complete low voltage.
- Universal speed transducer, linear transducer, rotary transducer
- During the switching operation the mechanical operation is obtained and the corresponding waveform is saved.
- Test data is saved on the unit, LCD display
- Built-in printer, for quick print results
- Data analysis and PC management software



Projects

Repairs

Services

Training

Products

H.V. TEST

Telephone: +27 11 782 1010

Email: sales@hvtest.co.za

Website: www.hvtest.co.za

Address: 17 Gaiety Avenue, Robindale, Randburg



HVCBA120

Circuit Breaker Analyser (12 Channel)

TECHNICAL SPECIFICATIONS

Input and Environmental

- Input Power 220V $\pm$ 10% 50Hz $\pm$ 10%
- Air Pressure 86~106kpa
- Temperature -10~40°C Humidity $\leq$ 80%RH

Safety Performance

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

Measurements

- Time range 25000.0ms
- Resolution 0.1ms
- Accuracy 250ms 0.1ms $\pm$ 1 digit
2500ms 0.1% $\pm$ 1 digit
25000ms 0.1% $\pm$ 1 digit
- Speed 20.00m/s
- Resolution 0.01m/s
- Accuracy 0-2m/s within $\pm$ 0.1m/s $\pm$ 1 digit
100ms or $\pm$ 0.2m / s $\pm$ 1 digit
- Current 10.00A resolution range 0.01A
- Output power DC30 ~ 250V digital adjustable / 10A
- Dimensions 360mm (L) $\times$ 280mm (W) $\times$ 300mm (H)
- Weight 9kg

