

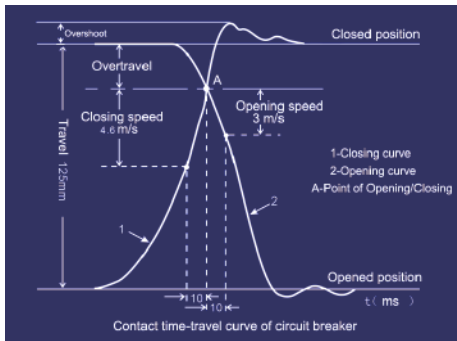
Model CBT551 Circuit Breaker Tester



- Really stand-alone design without any extra modules
- CB timing/motion and coil current measurements
- Simple connects, simple testing
- Strong interference suppression
- Vacuum/SF6/Oil CB applied

Description:

Model CBT 551 is designed for breaker mechanics routine test. Compared with CBT521, Model CBT551 has more good features.

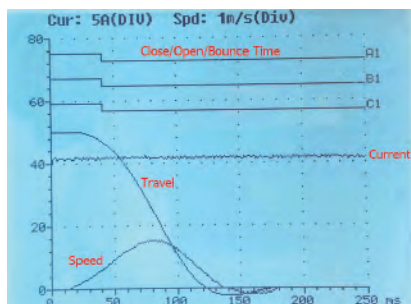


Controlled by industrial personal computer/IPC with main frequency 600MHz, makes its test more reliable and fast; equipped with universal transducer, more simple for its installation;

Five trigger modes provide its operator more choices; besides, its software is available for speed analysis.

Easier, faster, safe, full functionalities, make Model CBT551 is more popular.

Based on 15 years circuit breaker tester designing experience, and numerous CBT instrument applied in substations and manufacturers, we enjoys most famous reputation in China.



CH	Opn time	Bounce	CH	Opn time	Bounce
A1	41.7ms	0.0ms	A3		
B1	41.6ms	0.3ms	B3		
C1	41.5ms	0.2ms	C3		
A2			A4		
B2			B4		
C2			C4		
simultan A:		0.0ms	B:		0.0ms
simultan		0.2ms	Coil Cur		10.5 A
Opn Speed		0.37 m/s	Travel		50.0 mm
Ave Speed		0.64 m/s			
Max Speed		0.78 m/s			

Product Features:

- Suitable for all breaker mechanics testing in operation on the world market, GIS Switchgear, SF6 Breaker, Vacuum interrupter CB, and oil-insulated Breaker;
- Super strong interference suppression, could be operated up to 500KV level substation;
- Breaker one motion, all test data and waveform obtained;
- 10000 sets test data storage with test date and time filed,
- Large screen display test data and waveform;
- RS232 & USB flash disk Interface for test data uploaded
- Printer equipped for test data and waveform printing anywhere and anytime;
- Three transducers included, Linear, rotary and universal transducer;
- Analysis software for instant of contacts separated and touching.

Products Performance:

- Timing measurements, 12 channels, open time, close time, synchronizing for same phase and different phases;
- Reclosing measurements, C-O,O-C,O-C-O,C,O for each breaker/contact;
- Bouncing measurements, close bouncing time, bouncing times, bouncing route and waveform for each breaker/contact;
- Speed measurements, speed at instant of contacts separated and touching, the max speed; speed & travel curve;
- Travel measurements, total travel, overtravel, overshoot travel;
- Current measurement, current values for open/close coils; current waveform
- Action voltage: Breaker action power supply in side, 10V-265Vdc/20A; could complete CB lower voltage action test, and measure the CB action voltage.
- Multiple trigger modes: internal, external ,sensor, current and break/contact

Specifications:

Timing measurement:

Range 16000.0 ms Resolution: 0.1ms, Accuracy: 0.1%±0.1ms

Speed measurement:

Range 20.00 m/s Resolution: 0.01m/s, accuracy: 1%

Travel measurement:

Range 800.0mm, resolution 0.1mm, accuracy 0.5% ±0.1mm

Current measurement:

Range 20.00A, resolution:0.01A

DC Power supply for CB action:

10~265V/20A, short time operation

Triggers:

Internal DC trigger / External voltage trigger

Channels:

12 channels for time measurement, one interface for linear/rotation/universal speed sensors

Main Processor:

600MHz

Test data storage:

10,000.0 sets

LCD resolution:

320X240

Interface:

RS232, USB, flash disk.

Safety:

Insulation resistance, more than 2 MΩ, dielectric strength: 1.5KV @ 1 minute, no arc.

Environment:

Operating: -10~40℃, RH≤80%,

Atmosphere Press: 86 ~106kpa

Power supply:

220V±10%, 50/60Hz

Size and weight:

Instrument: 360mm(L)x230mm(W)X200mm(H) ,

Package: 405X310X260mm each box, 12kg+10kg



Two packages: One for instrument, another one for accessories