Circuit Breaker Dynamic Tester Model: CBDT-01

Quality / Accuracy / Reliability

This High voltage switch mechanical characteristic test instrument can be used to test and measure mechanical parameters of vacuum, sulphur hexafluoride, less oil, more oil power system's high voltage switch and etc. It is the most convenient tool for high voltage switch's repairement and test for its stable data of measurement, easy wiring and simple operation.

Performance Features:

1. The apparatus can automatically identify breaker status of on or off for fracture and operates accordingly with clue.
2. Independent six fracture can test and indicate connection status of fracture so that it is convinient for user to check wiring.
3. Its big screen（320×240）LCD display is an advanced grey screen which does not reflect or black screen in sunshine. Besides, its menu interface with clues of pictures and characters menu operation is rather personal and easy to operate.
4. The device has powerful graphical analysis function, which makes it possibile to display waveform and measured data simultaneously. Thus testing process is more self-evident.
5. The device contains delay and protection funtion, which makes it possible to cutoff coil voltage automatically after circuit breaker operates. Therefore, the circuit breaker and the testing instrument are well protected.
6. The device can be use to measure switch eletirclly and manually.
7. The device can be used in experiment of low voltage and high voltage and seek the minimum voltage or closing voltage automatically.
8. It can be used in reclosing experiment for parametres measurement of closing-opeing, opening-closing and opening-closing-opening.
9. Equipped with high speed thermal printer.
10. The device can store a hundred sets of testing results.

Technical Parameters:

Time Measurement	Fracture 6	Inherent opening (closing) time
		Different period of opening (closing)
		Different period between opening (closing)
		Bouncing time of closing (opening) (bouncing times)
	Test range	0.01ms～9000ms
	Accuracy	1% ±(1% +2 characters)

Speed Measurement	Opening(closing) speed	
	Averge speed for designed period of time (distance or angle range)	
	Range	0.01～25.00m/s for 1mm sensor
		0.001～2.50m/s for 0.1mm sensor.
		1 cyclic wave/0.5°for sensor of angle 0.5°

Distance measurement	Moving contact travel (travel)
	Contact travel (contact separation)
	Overshooting travel or kickback (excess of stroke)
	Sensor: 50mm, Resolution: 0.1mm
	360 line sensor: 360°,Resolution: 0.5°, distance range: 5mm～999.99mm.

Current Measurement	The maximum value of opening and closing coil
AC power supply	AC 220V ± 10%； 50Hz ± 2%
DC power supply	Output voltage: 35～260V continuously tunable, output current: ⩽ 15A(short time)
Dimensions	360 *250 *140mm
Operational environment	Temperature: -10℃~+50℃, RH. : ⩽90%

Product Specifications are subject to change without notice

Manufactured By:

NEUTRONICS MANUFACTURING COMPANY

12-A, Joy Compound, Opp. New Jalaram Electric & Hardware,

Marol Maroshi Road, Andheri East, Mumbai - 400059, India

Tel.: +91-22-29250745/29201296; Mob.: +91-9819450890/9819070556

Email : sales@neutronics.co.in / bhavin_nmc@yahoo.com

Website : www.neutronics.co.in / www.neutronics.in

Marketed By: