BT12

Circuit Breaker Test System

سیستم تست کلیدهای قدرت

The complete toolbox for testing and analyzing high, medium and low voltage circuit breakers

Features

- Measurement of time and motion
- Performance tests of coil, motor, and optional tests such as anti-pumping relay, under voltage relay, blocking coil, and …
- Special tests for contactors and non operating mechanism breakers
- Graphical results for quick interpretation
- PC control with BTSOFT software
- Extremely reliable and easy to use

Applications

- Circuit breaker manufacturers
- Repair and maintenance of electrical power plant companies
- Electrical power plant EPC companies
- Electrical power labs
- Big factories e.g. Steel, petrochemicals, refineries, and...

TAPCO ®
TARASHE PARDAZE POOYA

Specifications

Specifications are valid at nominal input voltage and an ambient temperature of +25°C, (77°F). Specifications are subject to change without notice.

General

Type	Portable Circuit Breaker Analyzer
Display	4*20 Character LCD With Back Light
Main Voltage	220V AC , 50 Hz
Dimension (L x W x H)	**Basic Unit** 460 x 330 x 150 mm (18.1" x 12.9" x 5.9") **Cover Case** 480 x 350 x 170 mm (18.8" x 13.7" x 6.6")
Weight (Basic Unit)	9 kg (19.8 lbs)
Computer Interface	One RS-232 Port , One USB Port
Internal Storage	Stores Up To 96 Test Records
Keyboard	Rugged Membrane Keyboard (10 Alpha-Numeric Keys, 6 Function Keys)
CE Marking	**EMC** 2004/108/EC **LVD** 2006/95/EC

Breaker Operation

Sequences (C:close, O:open)	C , O , C-O , C-T-O , O-T-C , O-T-C-O
Close / Open1 / Open2 Coil Voltage And Current	0-250V AC/DC (Set Automatically) , 50 Hz , 10A
Motor Voltage And Current	0-250V AC/DC (Set Automatically) , 50 Hz , 10A

Time Measurement

Contact Inputs	16 Input Channels (3 Main , 13 Auxiliary)
Time Contacts Range	0 to 999 ms
Time Spring Charge Range	40 s
Resolution	0.1 ms
Inaccuracy	0.01% Of Printed Value ± 0.1 ms
Start Time Measurement	With Operation Mechanism (Coil Energizing) Without Operation Mechanism (Changes In The Each Main Contacts)
Time Difference Between Control Pulse And Timer Start	< 0.1 ms

Motion Analyzer

Measurement Resolution	< 0.1 mm
Basic Inaccuracy	0.5%
Time-Base Inaccuracy	0.02%
Measurement Interval	999 ms
Sampling Frequency	10 kHz
Analog Travel Transducer Input	Resistive Transducer / 100 Ω to 10 kΩ
Digital Travel Transducer Input	Rotary Encoder / 2500 Puls/r

Printout

Types Of Printout On Unit	**Time Test Result** (Site Name, Date, Time, Test Name, Serial Number Sampling Time, Contact Operation Time: [First Change, Last Change Duration, Out Of Sync] Start Delay, Contacts & Coil Current Curves)
Printer Method	Thermal Printer With Fixed Print Head
Resolution (Graphic)	Resolution 8 Dots/mm (203 dpi)
Paper	Width 58 ± 0.5 mm (2.28"±0.2")
Types Of Printout By BTSoft	Time Test Result And Traveling (Motion) Test Result

PC Software

BTSoft	Windows® XP / 7 / 8 / 10 Software Is Included With Purchase Price
Language	English / Persian

Environment

Operating Temperature	-10 to +50°C (14 to +122°F)
Storage Temperature	-15 to +60°C (5 to +140°F)
Humidity	20% – 80% RH , Non-Condensing
Altitude	2000m (6562 ft) To Full Safety Specifications

Accessories

Connection Cables (Motor Cables, Coil Cables, Power Cable, Main Contacts Cables , Earthing Cable, RS232 Cable, USB Cable)
User Manual + Quick Reference + Calibration Report + BTSOFT (1 CD)
Cover Case And Cable Bag
Rotary Transducer Omron (Optional)
Linear Transducer Novotechnic (Optional)
Universal Support For Transducer (Optional)
Motor & Coils & Contacts Cables - 15 Meter (Optional)
Carrier Case (Heavy Duty Transport Case) (Optional)

One Year Warranty, Ten Years After Sales Services