

# BT12

## Circuit Breaker Test System

سیستم تست کلیدهای قدرت



CE

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

# BT12 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
Main Voltage	220V AC , 50 Hz
Dimensions ( L x W x H )	<b>Basic Unit</b> 460 x 330 x 150 mm
Weight	9 kg
CE Marking	<b>EMC</b> 2004/108/EC <b>LVD</b> 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	<b>With Operation Mechanism</b> (Coil Energizing) <b>Without Operation Mechanism</b> (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



## Environment

Operating Temperature	-20 to 55 °C (-4 to 131 °F)
Storage Temperature	-30 to 70 °C (-22 to 158 °F)
Humidity	20% – 95% RH , Non-Condensing

## Miscellaneous

Storage Capacity For Over 96 Test Records
Internal Thermal Printer
USB and RS-232 Interface
PC Software

## Accessories

<p>Motor Test Lead Set (4 x 4m)</p> 	<p>Coil Test Lead Set (5 x 4m)</p> 
<p>Main Contacts Test Lead Set (3 x 8m with Clamps)</p> 	<p>Earthing Cable (4m with Clamp)</p> 
<p>Power, USB&amp; RS232 Cables</p> 	<p>Case Cover &amp; Cable Bag</p> 

**One Year Warranty, Ten Years After Sales Services**