BT121G

Circuit Breaker Test System

(With 7-inch graphical touch screen)

سیستم تست کلیدهای قدرت



CE

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

Features

- 7-inch graphical touch screen
- Measurement of time and motion
- Performance tests of coil and motor
- Special tests for contactors and non-operating mechanism breakers
- Ability to test the minimum voltage of the coils
- Graphical results for quick interpretation
- Controlling of all operations by the device without the need for a computer
- Battery and main line operated with fast charge
- Portable, heavy-duty, and light weight case
- 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

BT121G 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	100-240V AC/DC , 50 Hz
Built-in Battery With Automatic Charger	Li-ion, 11.1V/ 7800 mAh
Charge Time	2 Hours Full Charge
Battery Run Time	16 Hours
Dimensions (L x W x H)	**Basic Unit** 460 x 330 x 150 mm
Weight	9.5 kg
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	Three Resistive Transducer / 100 Ω to 10 kΩ
Digital Travel Transducer Input	One Rotary Encoder / 2500 Pulse/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 Interface	
PC Software	

Accessories

Motor Test Lead Set (4 x 4m)



Coil Test Lead Set (5 x 4m)



Main Contacts Test Lead Set (3 x 8m with Clamps)



Earthing Cable (4m with Clamp)



Power & USB Cables



Case Cover & Cable Bag



One Year Warranty, Five Years After Sales Services

TAPCO: Tarbiat Modares Science&Technology Park, Pajouhesh Bld, 17th km of Tehran-Karaj Highway Tehran-Iran
Tel:+98 21 44180002 Fax:+98 21 44184989 INFO@TAPCO1.COM WWW.TAPCO1.COM