Six-phase microprocessor relay protection tester



Overview

TEST-630 SIX PHASE MICROCOMPUTER PROTECTION RELAY TEST-630 relay test kit is a the most advanced six-phase relay test set available for type and field test.

Key Takeaways

A six-phase microprocessor-based relay protection tester is an advanced device designed for precise testing, simulation, and verification of protective relays in substations and smart grid systems. OverviewSix-phase microprocessor-based relay protection testers, such as the TEST-630 and HZJB-1200, are specialized instruments used to test electromechanical, solid-state, and digital relays. They are essential for commissioning, maintenance, and acceptance testing of protective devices in power systems, ensuring reliability and safety of electrical networks.

Key FeaturesMulti-Phase Output: Six-phase current and voltage outputs allow simultaneous testing of complex relay configurations. High Precision and Stability: Equipped with high-speed DSP or DSP+FPGA cores, 16-bit DACs, and high-fidelity linear amplifiers, these testers provide accurate waveform generation and stable performance. Wide Frequency Range: Capable of output frequencies from 0 to 1050 Hz, supporting diverse relay testing scenarios.

Binary Inputs/

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Outputs: Typically include eight pairs of binary inputs and four pairs of binary outputs for interfacing with relay control circuits. Fault Simulation: Can simulate various faults, transient processes, system oscillations, and reclosing actions to verify relay response. Software Integration: Powerful PC-based software enables automatic and manual testing, COMTRADE file recording, and generation of detailed test reports.

Portability and User Interface: Lightweight design with TFT color displays, embedded controls, and optional keyboard/mouse support for easy operation on-site or in the lab.

Applications

Substation Commissioning: Ensures protective relays operate correctly before energizing circuits. Maintenance Testing: Periodic verification of relay performance to prevent failures. Smart Grid Integration: Supports testing of microcomputer-based protection devices and automatic switching systems.

Relay Type Testing: Suitable for differential, impedance, distance, low-voltage, synchronization, and directional protection relays. Example ModelsTEST-630: Offers six-phase current/voltage outputs, high-precision DACs, wide frequency range, and comprehensive fault simulation programs. Ideal for both laboratory and field testing.

HZJB-1200: Features DSP+FPGA architecture, high-density sine wave generation, linear power amplifiers, and compliance with DL/T624-1997 standards for microprocessor-based relay testing. ConclusionSix-phase microprocessor-based relay protection testers are critical tools for ensuring the reliability and safety of electrical power systems. Their combination of multi-phase outputs, high precision, fault simulation, and software integration makes them indispensable for modern substations, smart grids, and laboratory testing environments.

Article Content

TEST-630 SIX PHASE MICROCOMPUTER PROTECTION RELAY

TEST-630 relay test kit is a the most advanced six-phase relay test set available for type and field testing of electromechanical and digital protections of any kinds of relay.

Six phase universal protection device relay test kit

TEST-630 six phase microcomputer protection relay test kit is a smart relay test equipment which offers all the characteristics and functions needed for protective

6 Phase Relay Tester, Microcomputer Control | sisco

6 phase relay protection tester with microcomputer control can be used for a

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Six Phase Relay Protection Tester

Our Six Phase Relay Protection Tester is an advanced and versatile tool designed for thorough testing and calibration of protection relays in complex power systems. With its six-phase output, this tester

Huazheng HZJB-1200 six phase relay tester six phase relay protection ...

HZJD-6 Six-phase current with a stdard six-phase voltage while the

T1200 Six Phase Relay Protection Tester

6.The main control board is DSP + FPGA architecture, 16 bit DAC output, generates high - density sine wave 2000 points each circle to fundamental wave, which

6 Phase Relay Tester, Microcomputer Control | ATO

The 6-phase microcomputer relay protection tester uses the USB interface to directly communicate with the PC, without any adapter wiring, and is convenient

Relay protection tester 6 phase

The tester can not only test traditional relays and protective devices, but also test modern microcomputer-based protective devices, especially the differentialprotection of transformers and

LND-1200 Six Phase Relay Protection Tester

Microcomputer relay protection tester with a large screen LCD display and flexible and convenient rotating mouse controller. Stand-alone operation has a strong function, can carry out most of the

RELAYSTAR-1600 6-phase Protection Relay Test System

RELAYSTAR-1600 is multipurpose 6-phase protection relay test system for testing all generations and types of protection relays. The powerful test software with

Micro-Computer Controlled Six 6 Phase Protection

SXJB-6600 Protection Relay Tester is the essential test tool for relay protection technicians. Features: √ To meet all the test requirements. 6 phase current and 6

Protective Relay Tester

Performs standard relay calibration and verification testing of high burden and microprocessor relays Analog testing of 1A and 5A protection

Protection Relay Tester Buying Guide 2026: 3-Phase vs 6-Phase

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Looking to buy a microcomputer relay protection tester? Learn the key technical metrics, 3-phase vs 6-phase comparison, and how to evaluate manufacturers for your substation testing needs.

ZX-1600 Microprocessor Relay Protection Tester Six Phase Relay Test

The ZX-1600 microcomputer relay protection tester meets all the on-site test requirements. This instrument features standard six-phase voltage and six-phase current output.

Six Phase Relay Protection Tester HY661 HYHIPOT

6 Phase Relay Protection Tester Charateristic The instrument has a standard six-phase voltage, six-phase current output, voltage 125V/ phase, current 30A/ phase.

Six Phase Microprocessor Protection Relay Tester for

Digital Signal Processor Microcomputer. Not only test the traditional relays and protectors, but also test the modern microcomputer relays, special for

New 6 Phase Relay Protection Tester

Six Phase Relay Tester voltage and current output channel. It can test not only traditional relays and protection devices, but also modern micro-computer protection devices, especially for transformer

6 Phases Relay Tester

China 6 Phases Relay Tester, China Universal Testing Machine Hzjb-1200 Six Phase Relay Protect Tester, China Universal Testing Machine Hzjb-1200 Six Phase Relay Protect Tester, China Hzjb

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Contact Us

Continue your research online:

Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved