

Article Overview

Leading manufacturers of microcomputer relay protection devices include DEMIKS, GFUVE, HuaZheng Electric, and VLUUKE, offering advanced testing systems for power engineering applications.

Key Manufacturers and Products

DEMIKS DEMIKS is a high-technology enterprise based in Shanghai, China, specializing in power testing equipment. They produce the DJB series microcomputer relay protection testers, which comply with DL/T624-1997 standards. Their devices feature DSP+FPGA control, 16-bit DAC output, high-density sine wave generation, GPS synchronization, and Windows XP-based operation. DEMIKS has over 22 years of experience, ISO-9001 certification, and exports products to countries including the USA, Australia, Russia, India, and Singapore . GFUVE GFUVE manufactures the Test-330 three-phase microcomputer protection relay test system, designed for professional testing in microcomputer protection, relay protection, excitation, metering, and fault recording. The system supports three-phase current and five-phase voltage outputs, embedded host machines with Complex Programmable Logic Devices, and high-precision digital technology. GFUVE products are widely used in electric power, petrochemical, metallurgy, railway, aviation, and military industries . They also offer the Test-750 single-phase relay test set, a portable device for field calibration and performance testing . HuaZheng Electric HuaZheng Electric produces the HZJB-1700 handheld three-phase relay protection tester, controlled by a single-chip microcomputer. It tests AC relay action values, low-voltage microcomputer line protection functions, and differential protection of microcomputer transformers. The device can simulate various fault types, including single grounding, interphase short circuits, and three-phase short circuits, providing comprehensive testing for protection systems . VLUUKE VLUUKE offers the LND-802 microcomputer relay protection tester, which meets DL/T624-1997 standards. It features four-phase voltage and three-phase current outputs, DSP+FPGA control, high-density sine wave generation, GPS synchronization, and USB connectivity for PC integration. The system is suitable for transformer differential protection and standby automatic switching devices, providing high accuracy and stability for both small and large currents .

Applications

These microcomputer relay protection testers are widely used in:

- o Power transmission and distribution systems
- o Transformer differential protection
- o Excitation and metering systems
- o Fault recording and analysis
- o Industrial sectors such as petrochemical, metallurgy, railway, and military

Summary

For reliable microcomputer relay protection solutions, DEMIKS, GFUVE, HuaZheng Electric, and VLUUKE are recognized manufacturers offering advanced, standards-compliant testing equipment suitable for both field and laboratory applications. Their products provide high accuracy, multi-phase testing, GPS synchronization, and compatibility with modern power system requirements.

Modern protection relays have evolved significantly from the legacy electromechanical models that relied on physical coils and

Discover unparalleled safety with the SDP-5100-D Microcomputer Based Protection Over Current Relay by Elecnova! Revolutionize

Product Overview The LY-Z9100 Microcomputer Integrated Protection Device is a cutting-edge core component engineered for 10kV

ABSTRACT In today's increasingly complex power system, microcomputer relay protection device plays a very important role in

TEST-330 THREE PHASE MICROCOMPUTER PROTECTION RELAY TEST EQUIPMENT Test-330 three phase microcomputer

A miniaturized electric-taking ring used in microcomputer relay protection device is designed in this paper, which can

Microcomputer protection devices for high-voltage switchgear provide reliable, fast fault protection. Learn to select devices with

The HMPR-1003 series microcomputer protection and measurement and control device is a new generation of microcomputer relay

Traditional relay protection methods can no longer meet the demands under complex operating conditions. In contrast,

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Overview AM2SE series microcomputer protection device integrates protection and control, which can meet the customer's

This research not only enhances the understanding of potential failure modes of relay protection devices, but also

ZCAR-1600 microcomputer relay protection tester adopts high performance industrial PC as the control

It can test not only various traditional relays and protection devices, but also various modern

According to the requirements and characteristics of performance test in the process of research and development of relay protection

The Microcomputer Integrated Protection Device is a state-of-the-art device engineered to provide advanced protection for electrical

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