

# Hungarian Intelligent Substation Relay Protection Tester



## Overview

● All-in-One design, weight < 17.5 kg; ● High Power & Accuracy with 6x35A & 4x310V analog outputs; ● Complying IEC61850 Sampling Value & GOOSE; ● The ever-expanding test library templates; ● Optional advance functions like energy meter and transducer calibration etc. At TUV Rheinland InterCert Kft. we test and certify safety products switches, relays, switchgear etc. Our High Current Laboratory testing services ensure access to virtually all markets by testing and certifying products according to international requirements for among others. Workshop on Smart Protection Relay Testing in Budapest, Hungary On 4th September 2024, Megger successfully conducted a comprehensive workshop on “Smart Protection Relay Testing” in Budapest, Hungary. The event saw enthusiastic participation from around 15 professionals representing various. Protection relay tester which offers all the characteristics and functions needed for protective relay testing, in a manual or automatic mode, designed for maximum efficiency, flexibility and simplicity, with the required accuracy and performance to test any kind and type of relays in all. Megger offers test sets to cover all these applications, including the SMRT46, which you can configure to supply four voltages and three currents or, alternatively, six currents. Does Megger have products and tools for IEC 61850 applications?

The company released its first products for IEC 61850. Testing with Hardware-in-the-Loop (HIL) is crucial for modern substations in the power grid, especially concerning the IEC 61850 and IEC 61869 standards. These international standards for substation communication sets the groundwork for a shared data model and communication protocol, fostering. Protecta Electronics Ltd. has a track record of more than 70 years in the development and production of protection, automation and control devices.

## Article Content

Protection relay testing and diagnostic solutions

Verify that your protection relays operate correctly when faults occur. Megger's smart relay testing solutions and expert support help you validate

High Current Lab | HU | TÜV Rheinland

At TUV Rheinland InterCert Kft. we test and certify safety products switches, relays, switchgear etc. and related products. Our High Current Laboratory testing services ensure access to virtually all markets

Research on the Architecture and Key Technologies of Remote Online ...

In order to solve these problems, this paper proposes a technical solution of remote online relay protection testing system architecture by deeply exploring the digital advantages of smart

Research on Automatic Test System of Relay Protection Device in

The key technology of automatic test system for relay protection device in digital intelligent substation is analyzed, and the design idea and process of automatic test system are discussed and analyzed,

A Novel Test and Calibration Method for Digital Signals of Relay ...

With the widespread adoption of digital equipment in intelligent substations, testing digital signals in power systems has become an important role for relay protection test equipment. Testing

Fault diagnosis of intelligent substation relay protection ...

This study focuses on the fault diagnosis of an intelligent substation relay protection system based on Transformer architecture and migration training model.

Research and application of relay protection automatic test system for ...

The key technologies for protection automatic test system are researched, including the interface characteristic and reusability of testcase. A method of establishing relay protection

Research of relay protection automatic testing technology for smart ...

This paper points out the problems of digital relay protection tester and the new requirements of relay protection testing in smart substation, combining the key technology of automation relay protection

Intelligent Substation Relay Protection Test System Secondary

The Three Phase Secondary Injection Protection Relay Test Set is a new type of miniaturized tester made in accordance with the standards of the electric power industry and fully using modern

Discussion of Relay Protection Testing Technology for Intelligent ...

The rapid development of China's power industry closely tracks the development trend of national grid intelligence, in order to ensure intelligent substation, as a basis and an important part of the smart

Workshop on Smart Protection Relay Testing in

Participants engaged in detailed sessions on fault analysis and case studies, testing of differential relays, and distance protection relays.

Research on Real-time Reliability of Relay Protection System in ...

Strengthening research on the relay protection system of intelligent substations and improving the reliability of the system are urgent problems that need to be solved.

Relay Protection Stability of Intelligent Substation

Xiuzhi Li and Guihua Qiu Abstract With the increase of attention to smart grid, the construction of Smart Substation has attracted more and more attention. The intelligence of substation has become a

Protection Relay Tester

Smart Multi-phase Relay Protection Tester is a new generation of intelligent relay protection test equipment for Substation ABB, Siemens, SEL, Schneider, NR

GDJB-6000M Smart Substation Relay Protection Test

Product Tags GDJB-6000M Smart Substation Relay Protection Test System is a new generation of intelligent relay protection tester designed according to "Smart

A state evaluation and fault diagnosis strategy for

The intelligent substation is equipped with many relay protection systems, each with unique hardware features that have a substantial influence

KINGSINE K3163i Intelligent Protection Relay Test Set

Explore the functions, specifications and other instructions of Kingsine's K3163i Intelligent Protection Relay Test Set (High Power & Accuracy). RFQ now□

A state evaluation and fault diagnosis strategy for substation relay ...

The state assessment index system for the relay protection system of secondary equipment in an intelligent substation has been established. The selected first-level indexes include

Discussion of Relay Protection Testing Technology for Intelligent ...

This paper points out the problems of digital relay protection tester and the new requirements of relay protection testing in smart substation, combining the key technology of

Research and Application of Relay Protection Testing Method in the ...

On the basis of the analysis of intelligent substation relay protection device characteristics and test platform requirement, this paper proposes a design scheme which takes digital tester for ...

Research on automatic physical testing method of relay protection ...

Intelligent substations can accomplish deeper and more complex substation information exchange and processing by virtue of their equipment intelligence and data integration. In this paper, a relay

Protecta Electronics Ltd.

Protecta Smart Line protection and control relays have been designed to be the main or back-up protection in utility and industrial power system. The Smart Line

Kingsine IEC61850 Digital Substation Testing

Fully Compliant with IEC61850 Standards: Relay test equipment supports GOOSE and SV message testing for seamless integration with smart substations.

Digital Substations & IEC 61850

Provide premium training for field engineers. Generate highly detailed PDF reports of testing procedures. Streamline substation protection testing with seamless

Integrated Testing System for Substation Relay Protection Devices

With the expansion of the power grid, the number of secondary equipment in intelligent substations has significantly increased. We should put forward higher requirements for the quality and speed of

One-key test system for relay protection equipment of intelligent ...

Abstract A concept of one-key test for intelligent substation relay protections is proposed based on their characteristics and test requirements.

Research on Remote Maintenance Technology of Relay Protection in

Abstract. According to the work content of relay protection outage maintenance, a remote maintenance scheme covering all work items of relay protection routine maintenance is proposed; Combined with

## Contact Us

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