

Press release

New Power test modules in Test Universe 4.00

OMICRON's solution for advanced settings-based protection testing

Test engineers can now benefit from the new version 4.00 of Test Universe, the powerful PC software suite designed to control CMC test sets. Regardless of whether it concerns testing machine protection (e.g. reverse power, underexcitation), special directional power schemes (Q-V protection), load-shedding schemes (power and frequency criteria), or power swing blocking of distance relays: the new Power test modules and the convenient visualization and assessment in the complex P-Q plane offered by Test Universe 4.00 will substantially facilitate settings-based protection testing. The new test modules are used wherever the visualization and assessment in the complex P-Q plane is helpful or essential.

In addition, Test Universe 4.00 now offers maximum data reliability with its new auto-save function that allows users to save the Control Center after executing a given number of test modules (configurable). Furthermore, testing efficiency is optimized due to the enhanced start screen offering a better overview, including additional tools for secondary testing and asset management.

Power module for basic shot testing and assessment in the P-Q/S-phi domain

The new Power module allows users to test time characteristics visualized in the Power (P-Q) plane. This extends the range of modules for functional testing. Furthermore, it solves the problem of handling the tolerance of the characteristics with a new approach.

Advanced Power module for dynamic and sophisticated testing

The Advanced Power module offers all basic features of the Power Module but in addition all dynamic and more sophisticated testing features such as smooth ramps/trajectories, mapping of impedance zones into the P-Q plane, frequency variation and more.

New protection packages

To help users keep pace with the increasingly complex requirements of protection systems, four new protection packages and optional add-ons are offered. Each package contains a CMC test set and a selection of software modules:

- Essential: offers a good introduction with basic functions and modules; can serve as a foundation for individually compiled packages
- Standard: contains all modules that are typically used for settings-based testing of protection devices
- Enhanced: like Standard, specifically extended by functions for system-based testing and transient simulation as well as for free programming
- Complete: covers all functions and software modules that are offered for controlling CMC test sets.

ADMO Test Set Management and free trial version of ADMO

All Test Universe packages include a free trial version of the license option “ADMO Stand Alone Edition” (timed license) for ADMO, the asset and maintenance management solution for protection systems. The trial version offers full functionality and allows you to easily plan, manage and document all testing and maintenance activities.

Furthermore, all Test Universe packages contain ADMO’s Test Set Management section that helps you easily organize test sets. You can add the test sets you use for your maintenance tasks, store test set specific data, schedule test set calibration, and keep track of repair events.

Image



Company profile

OMICRON is an international company providing the electrical power industry with innovative testing and diagnostic solutions. The application of OMICRON products gives users the highest level of confidence when making condition assessments of primary and secondary equipment on their systems. Services offered in the area of consulting, commissioning, testing, diagnosis, and training make the product range complete.

Customers in more than 150 countries rely on the company's ability to supply leading edge technology of excellent quality. Service centers on all continents provide a broad base of knowledge and extraordinary customer support. All of this together with our strong network of sales partners is what has made our company a market leader in the electrical power industry.

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