

Press release

Powerful 15 kV test solution for rotating machines

OMICRON's new CP TD15 testing accessory is used as part of a complete solution together with OMICRON's CP CR600 compensating reactor and CPC 100 multi-functional testing device for off-line insulation testing up to 15 kV on all types of rotating machines.

The CP TD15 combines a high-voltage booster and a high-precision power/dissipation factor measurement module and it generates test voltages of up to 15 kV. The CP CR600 compensating reactor allows users to test rotating machines with high capacitances of up to 1 μF at rated frequency.

Together with OMICRON's CPC 100 multifunctional testing device, the complete 15 kV testing solution can measure electrical parameters, such as insulation capacitance and power/dissipation factor, DC winding resistance and contact resistance. Additionally, the system can also be used for impedance and voltage withstand testing, as well as a high-voltage (HV) source for partial discharge measurements on rotating machines.

Easy to transport

All of the testing solution components – including the CP TD15, CP CR600 and CPC 100 – are lightweight, fit easily into a car and can be transported and used in the field by a single person. The solution's compact reactors and integrated HV source replace the need for large and heavy HV source equipment or test trailers. This significantly reduces the measurement setup time and makes the solution ideal for testing rotating machines in power plants and locations that are hard to access, such as crowded industrial environments, ships or wind turbines.

Intuitive and safe test setup

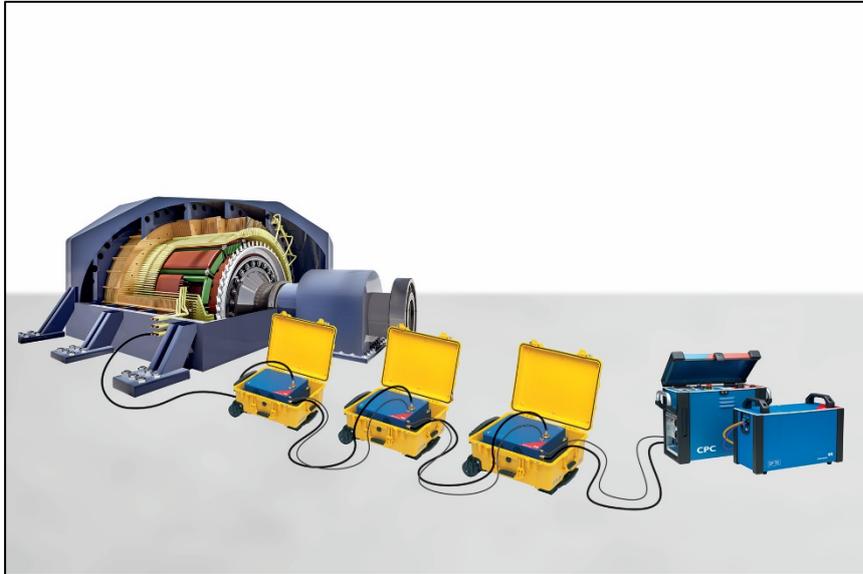
The 15 kV testing solution features an intuitive and easy connection concept that eliminates complex wiring to make testing faster. All modules can be placed in the working area, and a single shielded high-voltage cable safely connects the test system to the test object. This enables more streamlined connections in crowded testing environments, and provides the user with increased safety, flexibility and convenience during the measurement.

Automated control software

Additionally, the solution includes OMICRON's Primary Test Manager (PTM) software. It provides users with guidance throughout the entire test procedure as well as automated templates to speed up testing and reduce human errors. The software also enables instant measurement analysis with real-time result graphs as well as automated reporting.

More information is available at www.omicronenergy.com/15kV

Images



OMICRON's 15 kV testing solution for rotating machines includes the CPC 100 multi-functional testing device, the CP TD15 voltage booster and power/dissipation factor measurement module and the CP CR600 compensating reactor.



Company profile

OMICRON is an international company serving the electrical power industry with innovative testing and diagnostic solutions. The application of OMICRON products allows users to assess the condition of the primary and secondary equipment on their systems with complete confidence. 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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