

Press release

New method for timing tests on GIS with grounding on both sides

OMICRON's circuit breaker test system CIBANO 500 now offers the new Current Sensor Measurement (CSM) method. This allows the operating times of the circuit breaker to be determined accurately despite the fact that the GIS is grounded on both sides.

During a close or open operation of the circuit breaker, the current sensor measures the current change through the ground connection or the circuit breaker and sends its signals to CIBANO 500 which determines the switch response times.

Since the new current sensor has a flexible design and can be easily installed on a multitude of different grounding switches, it is ideal for on-site applications in GIS installations.

As part of the test results, a GIS operator receives a condition assessment of the circuit breakers' interrupter units and operating mechanisms and can avoid circuit breaker damage and outage of the GIS.

The new CSM method offers an increased level of safety for the tester, as it can be performed with both sides of the circuit breaker grounded.

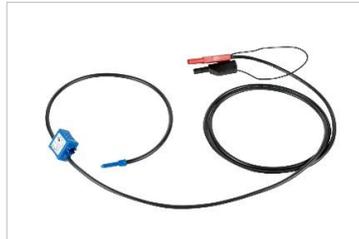
CIBANO 500 combines a precise micro-ohmmeter, a multi-channel timing analyzer, and a powerful coil and motor supply in a single device. It can perform all common electrical tests, such as static and dynamic contact resistance tests, timing tests or analysis of coil and motor current, minimum pick-up tests or undervoltage tests using the same wiring. All tests can be performed either with power supplied by the station battery or the test device.

The lightweight test system (20 kg / 44.1 lbs) supports all types of circuit breakers: medium- and high-voltage circuit breakers with live- and dead-tank design and in GIS installations.

Images



CIBANO 500 – circuit breaker test system



Flexible current sensor for CSM method

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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