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Review to PKV/M7 circuit breaker analyzer

In 2019, our company purchased PKV/M7 device. After studying the User Manual that is competently compiled by the specialists of SKB EP, LLC, the engineers of Capital-Struy Diagnostics, LLC started to run measurements on 110 kV circuit breakers. It is worth noting that VGT-110 SF6 circuit breakers have different design features depending on the manufacturer, however, this was not reflected in the measurement circuit assembly instructions.

PKV/M7 device has shown its best. It provides enough information to determine the technical condition of the circuit breakers, has a convenient interface and is easy to operate.

In particular, we would like to note the good work of the technical support service of SKB EP, LLC that promptly helps to deal with issues that might arise.

We recommend PKV/M7 device to the companies that are involved in operating and diagnostics of high-voltage circuit breakers.

Review to MIKO-9A milliohmmeter

In 2019, our company purchased MIKO-9A device to measure ohm resistances of 110 kV power transformers. After studying the device documentation and carrying out reference measurements (reference resistance is included into device complete set) engineers of Capital-Struy Diagnostics, LLC started working with MIKO-9A milliohmmeter. Significant advantages and minor disadvantages were revealed while working with MIKO-9A on 110 kV power transformers, in comparison with other similar devices.

Among the advantages, it is worth noting high accuracy of the measurements, large battery capacity, and most importantly, transformer demagnetization function. This feature reduces the time spent on measurements and reduces bulky equipment amount that we had to use previously. User-friendly interface, an ability to connect the cables to all three phases simultaneously, and an ability to run measurements with an automatic switch between the windings by the device itself significantly reduce total operating time and simplify the measurement process.

One of the disadvantages is a long time of windings saturation, despite 10 Amps test current that is supplied to the windings by the device. With each tap switch of the OLTC the device saturates the winding for quite a long time.

We recommend MIKO-9A milliohmmeter to the companies that are engaged in the operation, repair and diagnostics of electrical equipment.

Head of ETL



R.F. Shakurov