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Joint Stock Company  
(Gazprom Elektrogaz, JSC)

The branch of "Nadymelektrogaz"

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## REVIEW of the instrument MIKO-7M operation

The branch of "Nadymelektrogaz" informs you that the instrument milli-ohmmeter MIKO-7M is used at the work site from February 2019.

This instrument is used to measure the DC resistance of the windings of high-voltage transformers of the TSL, TM, TMG series with a capacity of up to 1600 kVA, as well as additionally to determine the ohmic resistances of the windings of low-voltage electric motors with a capacity of up to 70 KW.

During operation, the instrument milli-ohmmeter MIKO-7M, placed in a shock-resistant case, demonstrated comfortable operation, small size, lightness. The complete set includes convenient, flexible frost-resistant test cables. The instrument has proven itself well in measurement process during maintenance and determining the possibility of further operation of high-voltage and low-voltage electrical equipment.

During the two-year period of milli-ohmmeter use at the Bovanenkovskoye oil and gas condensate field, 4 faulty TSL-6Z/10 transformers were identified, a decision was made on the impossibility of further operation for more than 15 electric motors, up to 80 man-hours were saved.

Recommendations concerning the operational characteristics of the milli-ohmmeter MIKO-7M are, the possibility of:

1. Increasing the temperature range of operation of the instrument. The lower temperature limit - from -400C.
2. Additional test cables with self-locking probes.

Branch Director

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