



TVER CARRIAGE
BUILDING PLANT

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**ATTN: O.N. Ekaterinina
Director General
of SKB EP, LLC**

Review to MIKO-9A milliohmmeter

Dear Olga Nikolaevna!

On behalf of the SSD of TVZ, JSC MW in Moscow we would like to express our sincere gratitude and deep appreciation to SKB EP, LLC for providing digital and modern measurement equipment! Since February 2021, our department has been using MIKO-9A milliohmmeter.

The milliohmmeter is used for diagnostic and detection of turn-to-turn short circuits of traction electric motors and network reactors of electric trains of the EG2Tv "Ivolga" series.

Due to MIKO-9A compactness and lightness, as well as the presence of a built-in battery and the ability to measure the resistance of the conductor under inductive load, the device can be used in space-limited conditions allowing to detect malfunctions without dismantling the trolleys from the car.

During MIKO-9A operation, it was possible to identify a malfunction in 3 traction electric motors with a capacity of 300 kW and two network reactors. And these defects could not be determined by the available measurement instruments of our division.

SSD of TVZ, JSC MW in Moscow

A.P. Chernyak