

Milli-ohmmeter MIKO-12-50A new development

Note: Equipping the MIKO-12-50A with HV and LV winding short-circuiting and connection cables (041.23.00.000) from the additional complete set will allow for diagnosing the OLTC with current limiting resistors without removing the contactor tank cover (DRM – Dynamic Resistance Measurement) and for complex assessment of the transformer's condition.

Standard complete set:1
 Additional complete set (on order):2
 Recommended accessories (on order):2

Standard complete set:

Item	Photo	Application
Main instrument MIKO-12-50A 052.00.00.000-01		Instrument and additional documents: Calibration Certificate, User Manual, Log Book.
Test cable for power transformers 052.20.00.000K		A set of cables 4 x 8.5 m with jaw up to 75 mm for connecting MIKO-12-50A measurement channels to the power transformer bushings of any rating.
Mains cable 018.09.00.000		Mains cable 1 x 2 m. For instrument connection to the mains.
Ground cable 010.01.00.000		Ground cable 1 x 2 m (0.07 kg) for instrument grounding. The cable is equipped with a C-clamp and a screw end cap. Rated current is 50 A.
Fuse VP2B-1V-2A		For the power source protection.
USB Type-A, USB Type-C Cables 1.5 m 2A		USB cable 1.5 m for charging and connecting devices.
Tool bag 126.06.00.000		Convenient, robust, wear proof bag for transportation of cables, documentation and other accessories.

Additional complete set (on order):

Item	Photo	Application
Test cable 052.22.00.000		Test cable 2 x 4 m with jaw up to 20 mm for connecting MIKO-12-50A measurement channels to the current and voltage transformers terminals of any rating.
Test cable extension 031.20.00.000		Recommended to be used together with test cables 052.22.00.000 and 052.20.00.000K. Made of elastic silicone tube that is resistant to low and high temperatures and corrosive environments. Length: 6.5 m. Weight: 1.18 kg
OLTC drive control cable 052.25.00.000		For sending a signal from the MIKO-12-50A to move the OLTC to a new position, as well as to initiate measurements by the MIKO-12-50A when the OLTC is moved to a new position using its standard controls (for example, from the OLTC control panel). Length: 5 m.
HV and LV winding short-circuiting and connection cable 041.23.00.000		Cables for working in DRM mode – non-intrusive testing of OLTC devices of power transformers. Set of 4 cables of the same length of 4 m. Set weight – 6.180 kg (1.545 kg + 1.545 kg + 1.545 kg + 1.545 kg). Both ends of the short-circuiting cable are terminated with crocodile clamps with a jaw 70 mm.
Shunt SV75-0075A-D-02 060.02.18.000		For checking the operability of the device. Value – $1\text{ m}\Omega \pm 0.5\%$. Manufactured by SKB EP.
Adapter for a reference coil 023.12.00. 000		For testing laboratories: inspection / calibration of the instrument (0.024 kg).

Recommended accessories (on order):

Item	Photo	Application
Manipulating rod 010.41.00.000 010.41.00.000-01 010.41.00.000-02		Manipulating rod is designed for test cables connection from the ground or from the tank cover to the bushings of high-voltage circuit breakers, and to the structural elements of high-voltage disconnecting switches and earthing devices, without the use of ladders or elevated platforms. The manipulating rod is completed with special extension cables 3.3 m. There is a Kelvin clamp with current and potential contacts to connect to the object on one side, and a contact pad on the other side. The device test cable is connected to the contact pad from the ground or a tank cover. Manipulating rod extension cable is made according to a four-wire (Kelvin) scheme with the test current capacity of 100 A in the presence of a good contact. Manipulating rod - 2.2 (length 2.2 m / weight as an assembled set 3.4 kg); Manipulating rod - 3.7 (length 3.7 m / weight as an assembled set 4.0 kg); Manipulating rod - 5.1 (length 5.1 m / weight as an assembled set 4.6 kg).

Extension cable set (2 pcs.) 010.41.08.000		An additional extension cable set for the manipulating rod's standard complete set, designed for simultaneous connection to 4 high-voltage object bushings. Weight: 1.72 kg
Extension cable set (4 pcs.) 010.41.08.000		An additional extension cable set for the manipulating rod's standard complete set, designed for simultaneous connection to 6 high-voltage object bushings. Weight: 3.44 kg