

**TECHNOLOGY
PRODUCTS**



MIKO 10



SKBEP®

DIAGNOSTIC INSTRUMENTS
FOR HIGH-VOLTAGE EQUIPMENT



Miko 10



- Measures DC resistance from $1\ \mu\Omega$ to $0.1\ \Omega$.
- Operates at 1A and 10A test currents.
- Lightweight, ergonomic design for portability.
- Built-in battery supports over 1000 measurements per charge.
- USB connectivity for easy data transfer and report generation.

Compact micro-ohmmeter MIKO-10 is designed for easy measurement of the DC electrical resistance using a current of 1 A / 10 A.

Applications include :

- - contacts of high-voltage circuit breakers (including with built-in current transformers);
- - connecting or disconnecting switches, busbars, wires and cables;
- - bolted, riveted, welded and brazed joints, aircraft skins, etc.



The instrument has 3 start modes for the measurement process :

- **AUTO**: is designed to measure the contact resistance of high voltage circuit breakers without current transformers and any demountable or non-demountable connections with current of 10 A. The measurement starts automatically when the test cables are connected;
- **SINGLE**: is designed to measure the contact resistance of high-voltage circuit breakers without current transformers and any demountable or non-demountable connections with current of 1 or 10 A.
- **BUILT-IN CT**: is designed to measure the contact resistance of high-voltage circuit breakers with built-in current transformers.

The instrument is applied in electric networks, power plants or substations, traction substations of electrified transport, as well as in industrial enterprises.

The instrument has a number of important additional functions that meet the latest user requirements:

- Auto thermal EMF balancing in the test circuit;
- Auto power off, if the instrument is not used;
- Circuit continuity test;
- Auto measurement start against the test circuit continuity confirmation;
- Sounds an alarm at the start and at the end of the measurement.



- The operating temperature range from -20°C to +55°C allows working with the instrument in difficult weather conditions, while the stated accuracy of the results is guaranteed.
- PC connection via USB allows managing and saving results on a PC or laptop, and generating measurement reports.
- MIKO-10 is enclosed in an ergonomic case that can be placed on the arm and secured with fastening straps, with both hands free to simplify the measurement process.
- Also, the instrument can be easily removed from the arm and fixed to a belt or your neck, or placed on any flat surface.
- The built-in battery of MIKO-10 provides portability. One battery charge is sufficient for 1000 measurements or more at maximum current.
- MIKO-10 can justly be referred to portable instruments due to its light weight of only 0.5 kg and small dimensions 165 × 100 × 60 mm.

Standard Complete Set:

- Accompanying documents
- Main instrument MIKO-10
- 10A Kelvin Clamp test cable 2 x 1.7m (jaw up to 50 mm)
- Mains battery charger
- Fastening strap (2 pcs) to fix the instrument on the user's arm.
- USB cable 2.0 A-B
- Shunt 75 ShSM M3. 75A-0.5 to test the instrument's operability

* Optional accessories on request



General Features

- **Resistance range:** $1\ \mu\Omega$ - $0.1\ \Omega$
- **Resolution:** $0.1\ \mu\Omega$
- **Accuracy:** $\pm 0.2\ \%$
- **Test current output:** 1 A / 10 A
- **Measurement display resolution:** 4 digits
- **Power supply (built-in battery):** Lithium-ion battery
- **Battery charging time:** < 3 h
- **Built-in memory:** 100 measurements
- **Number of measurements with a fully charged battery:** > 1000 measurements
- **PC connection:** USB
- **Display:** Monochrome graphic 128 x 64 pix
- **Power consumption when charging the built-in battery:** < 15 W
- **Power supply (mains battery charger input voltage):** ~ 176-264 V, 47-63 Hz
- **Power supply (mains battery charger output voltage, that is used to recharge the battery):** 11-13 V, 1 A
- **Dimensions:** 165 x 100 x 60 mm
- **Instrument weight:** 0.5 kg
- **Environmental protection:** IP 54
- **Operating temperature range:** From -20°C to $+55^{\circ}\text{C}$
- **Warranty period:** 2 years
- **Recommended calibration interval:** 2 years
- **Interface and user manual language:** English



Over 35 Years of Industry Experience



At Technology Products, we are a premier manufacturer and supplier of cutting-edge Electrical Testing, Measuring, and Safety Equipment, with capabilities up to 800 KV. Our expertise extends beyond equipment design and manufacturing to offering solutions for Electrical Safety and Testing—from concept to commissioning. Trust us to deliver precision, safety, and innovation in every project.





Get in Touch



Address

Technology Products,
Plot 114, Udyog Vihar, Phase 4,
Gurgaon, Haryana 122015, India



Phone

+91 98188 45710



WhatsApp

+91 98188 45710



Email

info@tpindia.co.in