

MIKO-1

INDUSTRIAL MICROHMMETER



See full description, reviews, insights and additional options for the equipment on the website



Industrial microhmmeter MIKO-1 is designed to measure the transient electrical resistance to direct current:

- contacts of high-voltage and automatic circuit breakers;
- contactors, breakers, connectors;
- bolted, welded and soldered connections of conductors and buses;
- rail bonds, wheels of cars, etc.

50A

To obtain reliable values, it is recommended to make measurements at sufficiently high currents through the transient resistance, which is set out, for example, in IEC 56 standards ($I \geq 50A$).

AUTO

User participation in the measurement process is minimal. The measurement process is started by pressing one button, without any additional settings.



Measurements are made using a highly stable DC current. This allows measuring the electrical resistance of circuits containing current transformers, which are usually fitted on high-voltage dead tank circuit breakers.



BASIC FEATURES

Resistance range	1 $\mu\Omega \div 0.02 \Omega$
Minimum grade value	0.1 $\mu\Omega$
Accuracy	$\pm(1+0.01 \cdot R_x) \mu\Omega$
Measuring current strength	up to 50 A
Number of digits in the measurement result	6
Power supply (integrated battery)	Lead A506/3.5 S1
Battery charging time	< 4 h
Internal memory	-
Number of measurements with a fully charged battery	20 \div 50
PC connection	-
Display	Monochrome, alphanumeric
Power consumption	<20 W
Power supply (mains voltage)	~ 100-242V, 50Hz
Dimensions	250x80x210 mm
Device weight	3.6 kg
Ingress protection	IP20
Temperature range when working with the device	from -15°C to +40°C
Warranty period	13 months
Verification period	1 year
Calibration period	3 years
Interface and user's manual language	Russian / English

Rx -



MIKO-1 is designed for operation in harsh electromagnetic environment of power stations and substations, with measuring channels of the device allowing to suppress electromagnetic interference of industrial frequency.



Integrated battery in MIKO-1 provides its portability and has a capacity sufficient to perform to 100 measurements. It is charged from an internal charger powered by the mains.



The device has a small weight (3.6 kg) and small dimensions; a special bag provides its convenient movement, which allows you to ascent with it on any circuit breaker.



Measuring cables of different lengths and with different lugs are specially designed for easy connection to the object.



STANDARD PACKAGE:

- Accompanying documents
- MIKO-1 measuring unit
- Measuring cable with alligator clips K01
- Network cable
- Shunt 75 SHSM75-0.5 to check the device performance
- Fuses VP2B – 1V-2A (2 pcs)
- Bag for transporting the device and accessories

* Optional accessories on request