

COMPARISON OF SPECIFICATIONS AND FUNCTIONS OF MICROOHMMETERS
(BASED ON THE DATA AVAILABLE)

	MIKO-21	MOM2 (Megger)	Auto-Ohm 200 (Vanguard Instruments)	DLRO 200 (Megger)
Price (Euro)				
Area of application (electric resistance measurement)				
Measurement of transition resistance of high-voltage circuit-breakers with and without in-built current transformers, as well as of adjustable and permanent connections.				
Windings of power transformers and of current transformers, electric motors, electric magnets; shunt resistors of arch-control devices; oil and air temperature; (MIKO-2.3 is recommended)				
Specification				
Range of resistance measurements	1 micro ohm - 2 ohm	0 - 1 ohm	1 micro ohm - 5 ohm	0.1 micro ohm - 1 ohm
Range of test current amperage	1 – 200 A	220 A	1 – 200 A	10 – 200 A
Error of measurements	±0.2%	±(1 - 2%)	±1%	±1%
Working temperature	-20 – +40 °C	0 - +50 °C	-10 – +50 °C	-10 – +50 °C
Display	Color, graphic display 480x272 pixels	Black-and-white	Monochrome 128x64 pixels	Monochrome
Sensor screen				
Communication with PC	USB/USB Flash	Bluetooth	USB/RS-232	RS-232
Connection of USB Flash for storing the archive data				-
Instrument manipulation from PC				
In-built battery				
Time of battery charge	1 hr	4 hrs	-	No data
Size	270x250x130 mm	217x92x72 mm	432x178x330 mm	410x250x270 mm
Weight (without cables)	3.1 kg	1 kg	7.6 kg	14.5 kg

Functions				
Automatic determination of the loop integrity			No data	
Automatic start-up of measurements against circuit closing				
Automatic setting of test current and automatic stop of measurements			No data	No data
Archive of measurements in the computer				
Archive of measured data in the instrument	 (1000 measurements)	 (190 measurements)		 (300 measurements)
Automatic comparison with passport value of transient resistance of the CB contacts				
Integrated data base of passport values of transient resistance of high-voltage CB contacts				
Bi-lingual interface (Russian/English)			No data	