

# Micro-Ohm Meters

## MRM Series, 10-200 Amp



### Testing Applications

Accurately measure very low contact resistances of switches and circuit breaker contacts, transformer and motor windings, wire and cable samples, joints in busbars, or any application where low resistance current is required.

### Safety and Design Features

- Microprocessor controlled
- 4-wire Kelvin measurement
- Easy to read digital screen display
- IEC safety compliant
- ISO 17025 Calibrated

### Models Available

- MRM-10-V2
- MRM-100A
- MRM-10E-V2
- MRM-200

- **Lightweight** and **ruggedly constructed**
- **Reliable** and **accurate** measurements in the **laboratory** or in the **field**
- **User-friendly** software, **report generator**



Model MRM-10-V2  
10 Amps



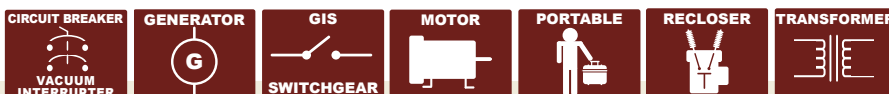
Model MRM-10E-V2  
10 Amps with enhanced accuracy



Model MRM-100A  
100 Amps



Model MRM-200  
200 Amps



MODEL	MRM-10-V2	MRM-10E-V2	MRM-100A	MRM-200
TEST CURRENT	1 mA - 10 A		up to 100 A (True DC)	5 A - 200 A (True DC)
RESISTANCE RANGES	0-200 mΩ @ 10 A 0-1000 mΩ @ 5 A 0-200 mΩ @ 1 A 0-2000 mΩ @ 100 mA 0-20 Ω @ 10 mA 0-2000 Ω @ 1 mA		0.1 μΩ to 300 mΩ	0.1 μΩ to 2 mΩ, with 0.1 μΩ resolution 2 mΩ to 200 mΩ, with 10 μΩ resolution 200 mΩ to 1 Ω, with 1 mΩ resolution
RESOLUTION	1 μΩ @ 10 A	0.1 μΩ @ 10A	up to 0.1 μΩ	up to 0.1 μΩ
INPUT	100-240 V, 50/60 Hz			
BASIC ACCURACY	±(0.2% of reading ± 2 digits)	±(0.10% of reading + 3 LSD)	±(1% of reading ± 1 digit)	±1% of measured value
PROTECTION	n/a		Overcurrent, short-circuit and thermal	
OPERATING TEMPERATURE	23°F to 122° F (-5°C to 50°C)			
STORAGE TEMPERATURE	-13°F to 158° F (-25°C to 70°C)		14°F to 140° F (-10°C to 60°C)	
HUMIDITY	<95%, non-condensing			
ADVANCED FEATURES	<ul style="list-style-type: none"> <li>• Remote control via Android device</li> <li>• Built-in memory for up to 30,000 measured values</li> <li>• When measuring inductive loads, the bar graph display makes it easy to verify that the current has stabilized</li> <li>• Built-in rechargeable battery</li> <li>• Built-in printer</li> <li>• Temperature compensation (MRM-10E-V2 only)</li> </ul>		<ul style="list-style-type: none"> <li>• Programmable set-up test time 5-120 seconds</li> <li>• Built-in memory with capacity to store 50 registers with 80 readings each</li> <li>• Built-in Printer (MRM-100A only)</li> </ul>	
DIMENSIONS				
Length	15" (378 mm)	15" (378 mm)	20" (502 mm)	20" (502 mm)
Width	12" (308 mm)	12" (308 mm)	15.5" (394 mm)	15.5" (394 mm)
Height	7" (175 mm)	7" (175 mm)	7.5" (190 mm)	7.5" (190 mm)
WEIGHT	14 lbs (6.5 kgs)	14 lbs (6.5 kgs)	45 lbs (20.5 kgs)	45 lbs (20.5 kgs)
ACCESSORIES Included	<ul style="list-style-type: none"> <li>• Temperature Sensor (model MRM-10E-V2 only)</li> <li>• Test Leads, 6' (1.8 m), set of 2 (combined current and potential), with Alligator Clip, and U terminal (optional connectors and lengths available)</li> <li>• Ground Test Lead, 10' (3 m), with Alligator Clip and U terminal</li> <li>• Power Cord</li> <li>• Auxiliary Power Cable, 6' (1.8 m)</li> <li>• Auxiliary Power and Test Cable, 16' (5 m)</li> <li>• USB Cable, 6' (1.8 m)</li> <li>• Software license</li> <li>• User guide</li> <li>• Synthetic Bag for instrument and cables</li> </ul>		<ul style="list-style-type: none"> <li>• Test Leads, 19' (6 m), set of 2 (combined current and potential), with C-clamp, and U terminal (optional lengths available)</li> <li>• Ground Test Lead, 10' (3 m), with Alligator Clip and U terminal</li> <li>• Power Cord</li> <li>• USB Cable, 6' (1.8 m)</li> <li>• Software license</li> <li>• User guide</li> <li>• Carrying Case for cables</li> </ul>	



## PHENIX TECHNOLOGIES

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