



## Micro-Ohm-Meter

Compact and portable. Contact & Winding Resistance Meter is meant for measurement of resistance of bus bar joints, male-female contacts of isolators, SF-6 Breaker contacts, GTS breaker contacts & winding resistance of transformers. The measurement of resistance is done by applying a DC current of 0-10/100 Amps. and measuring the voltage drop across the equipment. An ammeter and a millivoltmeter (Micro-ohmmeter) are provided measuring the current and resistance. A lamp indicates the AC supply position. A variac is provided for adjusting the output current from 0 to 100 amps. Fuse for protection against overload is incorporated.



## Technical Specification

**CRM Range:** 0.1 micro-ohm to 19999 micro-ohm in two ranges.

**Input:** 240 V  $\pm 10\%$ , 50 Hz.  $\pm 5\%$ .

**Output:**

1. 0-100 Amps., DC, continuously variable for Contact Resistance.
2. 0-10 Amps., DC, continuously variable for Winding Resistance.

**Metering:**

1. Digital Ammeter 3 1/2 digit, Ranges 0 – 10/100 A, Resolution 0.1 A.
2. Digital Micro-ohmmeter 4 1/2 digit.

### Measuring Ranges:

At 100 Amps : (a) 0.1 – 1999.9 micro-ohms, Resolution - 0.1 (Multiplier at x1)  
(b) 1 – 19999 micro-ohms, Resolution - 1 (Multiplier at x10)

At 10 Amps : (a) 1 – 19999 micro-ohms, Resolution - 1 (Multiplier at x1)  
(b) 10 – 199990 micro-ohms, Resolution - 10 (Multiplier at x10)  
(c) 100 – 1999900 micro-ohms, Resolution - 100 (Multiplier at x100)

**Display:** LED display with hold facility.

**Housing:** FRP unbreakable body housed in MS fabricated box for transportation and to provide protection from tempering, damage etc.

**Dimensions:** CRM - 18" x 12" x 7" approx.  
MS Box – 20" x 14" x 9" approx.

**Weight:** 25 / 30 kgs. approx.

### Accessories:

1.) AC supply connecting lead along with plug/socket.

2.) Connecting lead leads DC +ve & -ve with crocodile clamps for connections to terminals of size 5mm to 44mm. Capable of carrying current of 100 Amp. Length 15m.

3.) Connecting leads with crocodile clamps for measuring voltage drop resistance across resistance . Length 15m.