The model 310 Digital Milli-Ohm Meter is used to ensure continuity and integrity of a wire, cable, conduit or any electrical connection. The 310 has a display resolution of 100 micro-ohms and has a professional four wire Kelvin test lead set included to ensure accurate readings. The heavy duty case has a rubber seal to make the unit water resistant and a convenient shoulder strap.

### Features & Benefits
- Four wire Kelvin lead measurements
- Over-voltage and over-temperature protection
- 5 ranges with 100 µΩ max. resolution
- Water resistant case with shoulder strap
- Auto Power Off
- IEC/EN 61010-1 / CE
- Included: 4-wire Kelvin leads, carrying case with shoulder strap and batteries

### Specifications
**310**

#### Electrical
- **Measuring ranges**
  - 0-200.0 mΩ in steps of 100 µΩ
  - 0-20000 mΩ in steps of 1 mΩ
  - 0-200.0 Ω in steps of 100 Ω
  - 0-2000 Ω in steps of 1 Ω
- **Accuracy**
  - ±0.5% of reading ±2 digits over the operating temperature range -15° C to +55° C, with the supplied test leads.
- **Test current**
  - 1 mA => 2000 Ω range
  - 10 mA => 200 / 20 Ω ranges
  - 100 mA => 2000 m / 200 m Ω ranges.
- **Test current accuracy**
  - ±0.3%
- **Protection fuses**
  - Supply: 1.5 A, HBC, 5 x 20 mm, DIN
  - Current: 1 A, HBC, 5 x 20 mm, DIN
  - Voltage: 0.5 A, HBC, 5 x 20 mm, DIN
- **Safety**
  - LVD BS EN 61010-1
  - EMC BS EN 50081-1, BS EN 50082-1

#### Mechanical
- **Bump test**
  - IEC68-2-29
- **Vibration test**
  - IEC1010, clause 8.3
- **Drop test**
  - IEC1010, clause 8.4
- **Impact test**
  - IEC1010, Clause 8.2
- **Rated environmental conditions**
  - Indoor use
  - Pollution degree 2
  - Altitude up to 2000 meter
  - Relative humidity 80% max.
  - Ambient temperature 0° C~40° C

<table>
<thead>
<tr>
<th>Weight</th>
<th>3.4 lbs (1.542 kg)</th>
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<tbody>
<tr>
<td>Dimensions (WxHxD)</td>
<td>9.82” x 4.33” x 7.48” (250 x 110 x 190 mm)</td>
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</table>

### Applications
The model 310 Digital milli-ohm meter, with its measuring range of 100 µΩ to 2000 Ω, is suitable for a wide range of applications such as:

- Measuring the winding resistance of electric motors, generators and transformers
- Bond testing in mines, aircraft, railways, ships, domestic and industrial wiring installations
- Measuring the ring main continuity testing in industrial and domestic wiring installations
- Measuring resistance in electronic equipment such as shunts, pcb tracks, switch and relay resistance
- Checking compression joints on overhead lines
- Testing and maintenance of switchboard /sub-station equipment on such items as fuses, joints, contacts and bonds