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  
|                  | 0-2000 mΩ in steps of 1 mΩ  
|                  | 0-20.00 Ω in steps of 10 mΩ  
|                  | 0-200.0 Ω in steps of 100 mΩ  
|                  | 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 mΩ 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  

**One Year Warranty**

- Weight | 3.4 lbs (1.542 kg)  
- Dimensions (WxHxD) | 9.82” x 4.33” x 7.48” (250 x 110 x 190 mm)  

**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