



Carry Bag



Resistance Verification Plate

4680SL, 4680SLC



The faults in any Electrical System are unavoidable. Earthing plays an important role in Generation, Transmission & Distribution for safe and proper operation of any Electrical Installation. **MECO 4680SL/4680SLC Clamp-On Earth / Ground Resistance Tester** has long elliptical jaw suitable for flat as well as round earthing strips. It completely eliminates the use of ground and auxiliary rods thus saving lot of time and avoiding shutdown. Calibration check can be verified by using the Resistance Verification Plate provided. This is an extremely handy instrument especially at place where it is next to impossible to measure Earth / Ground Resistance by conventional methods. Substantial time saving and easy operating justify the investment in these instruments.

**Features**

- Non Contact Ground Resistance Measurement
- No Auxillary Electrodes Needed
- Data Storing Memory
- Data Hold, Noise Signal & Continuity Loop Test
- Ground Resistance Measurement 0.01Ω ~500Ω
- Suitable for Earthing Strip upto 55mm
- Suitable for Round Conductor upto 20mm Φ
- Leakage Current (0.5mA~20.00A) (Model 4680SLC)
- Auto Ranging
- Auto Power Off

**General Specifications**

- Jaw** : 55 x 32 mm (approx.)  
**Conductor Size** : Upto 55 mm / 20 mm Φ  
**Power** : Four 1.5V "AA" Battery  
**Display** : 4 Digit 9999 counts LCD Back Light Display  
**Range Selection** : Auto  
**Memory** : 99 Sets  
**Overload Indication** : OL  
**Low Battery Indication** :   
**Operating Environment** : -10°C ~ 55°C  
**Measuring category** : CAT III 150V  
 IEC/EN 61010-1, Pollution Degree 2  
**Dimensions** : 275 x 85 x 56 mm (approx)  
**Weight** : 868 gms Including Battery (approx)  
**Accessories** : Resistance Verification Plate x 1,  
 Battery 1.5V (AA) x 4 (Installed),  
 User Manual x 1, Carry Bag x 1  
**Configurable Alarm** : Resistance : 1~199Ω & Current : 1~499mA

**Electrical Specifications** [23°C ± 5°C]

Ground Resistance (Auto Range) [4680SL, 4680SLC]		
Range	Resolution	Accuracy of Reading
0.010 ~ 0.099 Ω	0.001 Ω	± (1%+0.01 Ω)
0.10 ~ 0.99 Ω	0.01 Ω	± (1%+0.01 Ω)
1.0 ~ 49.9 Ω	0.1 Ω	± (1.0%+0.1 Ω)
50.0 ~ 99.5 Ω	0.5 Ω	± (1.5%+0.5 Ω)
100 ~ 199 Ω	1 Ω	± (2%+1 Ω)
200 ~ 395 Ω	5 Ω	± (5%+5 Ω)
400 ~ 500 Ω	10 Ω	± (10%+10 Ω)

Ground & Leakage Current : Auto Ranging, 50/60Hz, RMS (4680SLC)		
Range	Resolution	Accuracy of Reading
0.00 ~ 9.95 mA	0.05 mA	± (2.5%+1 mA)
10.0 mA ~ 99.0 mA	0.1 mA	± (2.5%+5 mA)
100 mA ~ 299 mA	1 mA	± (2.5%+10 mA)
0.30 A ~ 2.99 A	0.01 A	± (2.5%+0.1 A)
3.0 A ~ 9.9 A	0.1 A	± (2.5%+0.3 A)
10.0 A ~ 20 A	0.1 A	± (2.5%+0.5 A)