

# EPR

electrical & power review



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# ENERGY INFRASTRUCTURE RENEWABLES INTEGRATION AND SMART GRIDS

Implementing smart grids from generation to consumer appliances is crucial for a sustainable energy future. This transition is urgent to reduce environmental impact, optimise operations, enhance reliability, cut costs, and improve efficiency.





**MECO**<sup>®</sup>  
SINCE 1962

**+60** YEARS  
ONE MISSION

## Clamp-On Earth / Ground Resistance Leakage Current Tester "Prevent Hazards Happening due to Improper Earthing"

Transmission Towers /  
Lightning Arrestors



Telecom Shelter Cabins /  
Telecast-Relay Towers



4680/4680B    4680BL/4680BLC



4680SL/4680SLC

- ✓ Suitable for Earthing Strip & Round Conductor
- ✓ Ground Resistance Measurement
- ✓ Leakage Current (Model 4680B, 4680BLC, 4680SLC)
- ✓ No Auxiliary Electrodes Needed
- ✓ Data Storing Memory
- ✓ Data Hold, Noise Signal
- ✓ Auto Ranging, Continuity Loop Test, Auto Power Off
- ✓ Jaw Opening :

4680 - 23mm (approx.)  
4680B - 38mm (approx.)  
4680BL/4680BLC - 65x32mm (approx.)  
4680SL/4680SLC - 55x32mm (approx.)



Reliable



Long-Lasting



Affordable

ISO 9001-2015 Certified Company

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## MECO introduces an innovative clamp-on earth and ground resistance tester

*New Models 4680SL and 4680SLC Offer Non-Contact Measurement, Data Storage, and Enhanced Efficiency in Electrical Systems.*



**F**aults in any electrical system are unavoidable. Earthing is vital in generation, transmission, and distribution, and it is necessary for any electrical installation's safe and proper operation.

MECO Clamp-On Earth, Ground Resistance, and Leakage Current Tester (Models: 4680SL and 4680SLC) features a long elliptical jaw, perfect for flat and round earthing strips. Eliminating the need for ground and auxiliary rods significantly reduces testing time, prevents unnecessary shutdowns, and ensures a smooth operation. The calibration check of the metre can be verified by using the resistance verification plate provided by the instrument. This is an extremely handy tool, especially when it is next to impossible to measure the earth—ground resistance by conventional methods. Substantial time savings and easy operation justify the investment in these instruments.

The MECO Clamp-On Earth, Ground Resistance, and Leakage Current Tester (Models: 4680SL and 4680SLC) offers non-contact ground resistance measurement. It eliminates the need for auxiliary electrodes, streamlines operations, and saves time. The tester includes a data storage memory for convenient record-keeping and features like data hold, noise signal detection, and continuity loop

tests to ensure precise and reliable readings. With a ground resistance measurement range from 0.01 ohms to 500 ohms, it accommodates earthing strips up to 55 mm and round conductors up to 20 mm in diameter.

The 4680SLC model additionally measures leakage current ranging from 0.5 mA to 20.00 mA, and both models support auto-ranging and auto-power-off functions, enhancing usability and efficiency in various electrical testing applications. Its innovative features, including non-contact measurement capabilities and compatibility with various grounding configurations, make it an indispensable tool for professionals in the electrical industry. By streamlining earth resistance measurement processes and enhancing operational safety, this instrument contributes to maintaining high standards of performance and reliability in electrical systems. ⚡

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