



Join us for a day of UNDERSTANDING GROUND RESISTANCE TESTING



2024 TRAINING SEMINAR

A **TEGG®** authorized training company

Ground test is integral to commissioning, troubleshooting, or maintaining electrical or lighting systems. The intricacies of ground tests are often misunderstood, leading to inaccurate test results and, worse, poor-performing systems leading to costly downtime or disastrous consequences. As a leader in ground test, AEMC® Instruments well-known “Understanding Ground Resistance Testing” seminar has been entrusted by hundreds of end-user organizations like 3M, the US Navy, and The Lightning Protection Institute to ensure their staff are performing efficient and accurate ground and bond tests with verifiable results.

Led by experienced instructors, AEMC® Instruments hands-on seminars present attendees with the knowledge and expertise to overcome even the most difficult testing environments. A co-branded joint seminar held at your location allows your customers to become certified, receive continuing education credits, and leave feeling confident in the complex subject of ground testing. By partnering with AEMC® Instruments, you'll receive support in marketing the seminar, a small stipend per attendee, free seats for your staff, and the opportunity to present to attendees in exchange for the use of your facility.

We'd love to partner with you!

Contact your local AEMC® Instruments District Sales Engineer or our training department at marketing@aemc.com for more information. Seminar dates for 2024 are available now!

BENEFITS FOR DISTRIBUTOR:

- \$50 product credit per paid seminar seat
- Access to the attendee list
- Option to address the seminar attendees and provide sales literature
- Co-branded advertisement for seminar email blast
- Orders from seminar. On average, 1 order is produced for every 4 attendees. Orders range from \$2k-20k in size.

DISTRIBUTORS CONTRIBUTION:

- Training room. Outdoor space acceptable for ground testing (100 ft open space in dirt or grass)
- Lunch for seminar attendees

CLASSROOM

This session will consist of classroom presentations and discussions on all aspects of soil resistivity and ground resistance testing as well as bonding. The 4-Point soil resistivity test and the 3-Point Fall-of-Potential ground resistance testing methods will be presented along with the revolutionary clamp-on test method. Touch potential testing will also be covered.

References to the IEEE Green Book, IEEE standard 142-2007, IEEE standard 81-2012, LPI 175, MIL-HDBK-419A, AFMAN 32-1065, and article 250 of the National Electrical Code will be referenced and discussed throughout the session:

- When and how to use each test method
- When and where not to use a particular test method
- Proper placement of auxiliary rods to conduct each type of test
- How to calculate the required ground electrode depth based on soil resistivity data
- How to distinguish ground resistance measurements from loop resistance
- How to use the Fall-of-Potential method when it is not practical to drive auxiliary rods
- How to test bonding resistance

FIELD TESTING

This session will consist of on-site field tests demonstrating the different methods of ground resistance testing discussed during the first half of the day. Participants will have the opportunity for hands-on experience and demonstrations of proper testing procedures including measurement of soil resistivity, correct placement of test rods, using the 3-Point method and proper use of the clamp-on test method.



4-Point and Multi-Function Ground Resistance Testers
MODELS 4620 & 4630



Clamp-On Ground Resistance Testers
MODELS 6416 & 6417



Bond Testers/ Micro-Ohmmeters
MODEL 6240



3-Point Ground Resistance Testers
MODEL 6424



SEMINAR INCLUDES:

Full Day of Classroom and "Hands-on" field test sessions, lunch, and course materials

All participants attending will receive:

- **\$50.00 REBATE CERTIFICATE** toward the purchase of an AEMC® Instruments ground tester
- AEMC® Instruments Understanding Ground Resistance Testing binder and USB stick with useful tools to assist in ground resistance testing, calculator clipboards, personalized training certificate, and a NEW digital multimeter!

Save thousands in contractor expense!

\$525
per person

10% OFF

EARLY BIRD SPECIAL
Receive a discounted course price by registering 30 days prior to any of our seminars!

15% OFF

QUANTITY DISCOUNT
Receive a discounted course price if 3 or more people register from the same company!

Go to our seminar page and find the promo code by location.

*Don't wait!
Mark the date*

TRAINING SCHEDULE

TBD

All seminars will begin at 8:30 am. Lunch will be served at noon and the seminar will end at approximately 4:30 pm. Class locations and dates are subject to change, refer to our website for updates.

Acknowledgement of your registration and all pertinent information will be sent to you.

Please note: Applicants may cancel up to ten (10) working days before the day of the course for a full refund. Cancellations received later than ten days prior to the course are subject to a \$100 service charge. Those who have not cancelled two (2) days prior to the course and "no shows" are subject to the entire fee. AEMC® Instruments reserves the right to cancel within seven business days.



NETA Level III and IV Technicians eligible to receive CTDCs

8 NETA CTD's (Certified Technical Development Credits) in Category Ground 15 for completion of an AEMC® Ground Seminar

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