

## MP - Tests of electrical installations

### Seminar-No. 30.40.310 2T - EN

After the construction, periodical checks are carried out on electrical installations and audit reports are performed documenting the safe condition. The respectively performed test report takes into account the outcome of the site visit, the continuity of the protective conductor, the insulation resistance, the ground resistance, loop impedance, the short-circuit current, the expected contact voltage, the tripping current of the RCDs and the functional tests. The measurements and the entries in a test report are an integral part in the requirements for the award of the CE sticker. In addition to the measurements with test and measurement equipment of GOSSEN METRAWATT and Fluke can be integrated into the course with already existing equipment so that participants can use the measurement procedures in the operating environment more directly. The seminar is divided into interesting presentations, calculations and measurement as well as test sequences on functioning and faulty electrical installations.

Participants: Electrical Engineers

#### Theory:

- ✔ Rules and Regulations to the subject matter
- ✔ Adherence of the necessary security during testing
- ✔ DIN VDE 0100-600 for the primary testing of electrical installations
- ✔ DIN VDE 0105-100 for the repeat test
- ✔ Network systems, while respecting their fault assumption

#### Group work:

- ✔ Determining and documenting test procedures
- ✔ Measurements on electric installations with adjustment of measurement results
- ✔ Developing differences of extensive standards within technical tests
- ✔ Developing test protocols for hand-over and status reports
- ✔ Attachment of inspection stickers and overseeing the implementation of repeat tests

#### Workshop:

- ✔ Testing of electrical installations of different network systems
- ✔ Consideration of sensitive electronics in plants
- ✔ System testing based on building and industrial installations
- ✔ Detecting errors and containment according to different principles
- ✔ Correct use of test equipment for electrical measurements

Start: By appointment  
 Duration: 16 Lessons  
 Implementation: 2 days, each with 8 lessons from 9:00 hrs to 16:00 hrs

Prices: 1 Participant	1.700,- €	per participant	1.700,- €
2 Participants	3.100,- €	per participant	1.550,- €
3 Participants	4.200,- €	per participant	1.400,- €
4 Participants	5.000,- €	per participant	1.250,- €
5 Participants	5.500,- €	per participant	1.100,- €
6 Participants	5.700,- €	per participant	950,- €

As of 6 participants, for each additional participant 950,- €. The prices regarding company graduation (lower prices at a higher number of participants) applies to: per company or per request for quotation. All prices are exclusive of legal VAT.