



Test and Measurement Workshop

This course has been designed to provide practicing electricians the skills and knowledge to use test equipment to complete electrical installation certificates or reports.

Course duration 1 day

Who should attend?

This course is aimed at those who have started to complete testing as part of their role. There are no formal entry requirements to attend the course, however it is ideally suited to practicing electricians that have not carried out inspection and testing since qualifying, or who require an update before moving on to other electrical inspection qualifications.

This course is not recommended for non-practicing electricians.

Learning outcomes

This course will give candidates knowledge of how to complete tests in-line with those required by BS 7671.

The tutor will mentor candidates through testing scenarios to ensure those attending the workshop can complete all of the required tests.

By completing this workshop, candidates will understand how to complete tests of both single-phase and three-phase electrical installations to update their skills or for exam preparation.

Course outline

This course will cover the fundamental requirements of testing before practically covering:

- Electrical isolation
- Continuity resistance
- Insulation resistance
- Earth electrode testing (de-energised method)
- Earth electrode testing (energised method)
- Protection by ADS
- External earth fault loop testing
- Determining Prospective Fault Current – PFC
- Phase sequence
- RCD testing
- Verification of Voltage Drop
- Functional testing

What do I need to have with me?

- Calculator
- Note-taking material

Provided for use during the course:

- Basic hand tools
- GS 38 Voltage Indicator
- Electrical isolation lock-off kit

This is a practical workshop and candidates are encouraged to bring their own test instruments so they can learn how to use it to its full capacity and have confidence in the results it produces.

If you are unable to bring your own, we will provide you with one for the duration of the course.

Assessment body



Next steps

Other courses which may be of interest to you:

Level 3 Award in Initial and Periodic Inspection and Testing of Electrical Installations (2391-52)

Level 3 Award in Requirements for Electrical Installations BS 7671

Why train with us?

- We've been training the profession for over 20 years
- Delivered by real-world experts
- Flexible courses, tailored to suit you
- 60 + courses to choose from
- Online, in person, at your premises or at ours

Are you interested in taking this or any of our other courses?

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