

TEST AND MEASUREMENT WORKSHOP

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

Who should attend?

This course is aimed at contractors 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 suitable for non-practicing electricians.

What will I learn?

The course will give candidates knowledge of how to complete tests in-line with those required by BS7671: June 2008 (2015). The tutor will mentor candidates through a number of testing scenarios to ensure all candidates attending the workshop can complete all of the required tests.

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.

Benefits

By completing this workshop, candidates will fully understand how to complete all of the above tests to allow them to complete testing either of both single-phase and three-phase electrical installations to update their skills or for exam preparation.

COURSE PROGRAMME

The tutor will cover the fundamental requirements of testing before practically covering:

Safe isolation
Continuity
Insulation resistance
Earth electrode testing (de-energised method)
Earth electrode testing (energised method)
Protection by ADS
External earth fault loop testing
Additional Protection
Prospective fault current testing
Phase sequence
RCD testing
Verification of Volts Drop
Functional testing

What do I need to bring with me?

- What do I need to bring with me?
- Calculator (not part of a smart phone application)
- Note-taking material (recording devices not allowed)

Optional / provided:

- Basic hand tools (flat head screwdriver, terminal screwdriver, Philips head screwdriver)
- GS 38 Voltage Indicator
- Safe isolation lock-off kit for industrial applications
- PPE – Safety goggles/glasses and gloves

Note: We strongly advise participants to bring your own electrical test equipment, if not we can provide you with one for the duration of the course.

Assessment body:

NICEIC

Why train with us?

We provide:

- Highly-skilled, qualified lecturers
- Purpose-built training facilities
- One-stop-shop for NICEIC enquiries
- Lunch and refreshments provided