

## ELECTRICAL PRINCIPLES FOR PAT TESTING (EL10.1)

An Introductory Level, One-Day Workshop

### Workshop Summary

The safe control of electricity is a fundamental requirement for anyone who is involved with working with electricity in any capacity. This one-day Electrical Principles for PAT testing Workshop gives you an introduction to the key electrical knowledge elements associated with PAT testing. It is designed specifically to provide the underpinning knowledge required to ensure the potential to successfully complete the C&G 2377-200 Inspection and testing of electrical equipment.

### Who Should Attend

Anyone with no or very little electrical knowledge and who wishes to attend the C&G 2377-200 Inspection and testing of electrical equipment Programme.

### Benefits to you and Your Organisation

By the end of the Workshop, participants will be able to:

- Have an understanding of Electrical Principles and their application relating to portable appliance testing
- Correctly interpret electrical readings
- Appreciate safe working practice

### Workshop Contents

- Safe Working Practice
- Basic Electrical Terminology
- Interpretation of electrical values
- Basic AC Supply characteristics
- Transposition of formulae
- OHM's Law Theory
- Power equations
- Basic and fault protection
- Series Circuits
- Parallel Circuits
- Basic wiring of appliance plugs

### Follow Up Workshops

C&G 2377-200 Inspection and testing of electrical equipment.

### Aylesbury Workshop Dates:

6 April 2010  
1 June 2010  
24 August 2010  
12 October 2010  
7 December 2010

**Fees: £ 200 plus VAT**  
(Includes Lunch & Refreshments)