

# Fundamentals of High Voltage Protection

At PASS training we are committed to delivering training to the highest standards. We value customer feedback and use it to continually refine our courses. Having trained hundreds of candidates, our programs are designed to be professional and led by experienced tutors. Our goal is to equip our customers with the knowledge and skills to achieve officially recognized qualifications across a range of disciplines.

Our trainers deliver courses in a clear, approachable, and enjoyable way, ensuring you have the best possible learning experience. Every trainer is fully qualified and accredited, and they work closely with you throughout the course to ensure you gain the knowledge you need.

## Course Overview

This course involves several practical exercises and demonstrations combined with in-depth classroom theory. A wide range of protective devices are used, including mechanical, electromechanical and microprocessor based relays to give you the best true-to-life experience during your training.

This course requires a good foundation of knowledge and will be most beneficial to those already in the industry.

## Key Information

**Duration:** 5 Days

**Price:** £1295.00 + VAT

**Booking Code:** HVPR01

**Location:** Stockton

**Contact:** 01642 987 978



# Course Details

## Who is this Course Suitable For?

This course is suitable for Electrical/Plant Engineers, Supervisors, Technicians, Electricians with responsibility for the application, commissioning and/or maintenance of electrical protective equipment used on industrial electrical power systems.

## Course Aim

This course is designed to provide detailed theoretical and practical instruction on HV/LV electrical protective equipment including primary and secondary injection, utilising electronic, microprocessor, and electro mechanical devices.

## What Does the Course Cover?

- ▶ Power system protection
- ▶ Fuse and MCCB protection
- ▶ Current and voltage transformers
- ▶ Basic fault level calculations
- ▶ Calculation of graded time settings
- ▶ Current transformer magnetisation curves
- ▶ Primary injection testing
- ▶ Classification and function of relays
- ▶ Secondary injection testing
- ▶ Transformer, Motor, Feeder and Generator protection
- ▶ Bus zone protection
- ▶ Trip circuit supervision requirements
- ▶ Useful formulae

## Entry Requirements

This training programme requires a good foundation of electrical knowledge, those interested may already be in a role where they have a responsibility for electrical protective equipment used on industrial electrical power systems, or looking to advance to such a role. Anyone attending training should also have a good level of both spoken and written English.

## Assessments

You'll be expected to complete a written examination as well as take part in a practical examination during this course.

## Course Certification

You will receive a certificate of competency after successful completion of this course. For candidates who decide not to undertake the assessments or are unsuccessful when taking the assessments, you will receive a certificate of attendance instead.



## Find Out More

If you are interested in this course and would like to find out more about the content, or the facilities available to you, then contact the training centre. We are always happy to answer all your questions. Or visit the course pages on our dedicated electrical training website:  
[www.electricaltrainingcourse.co.uk](http://www.electricaltrainingcourse.co.uk)

## Phone

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## Email

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## Online

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## Head Office Address

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## About Us

PASS Training and Development is a fully accredited training provider of City & Guilds, LCL and MCA training courses in Electrical, PAT Testing and Thermography.

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