

AUTOMATION ACADEMY

A u t o m a t i o n S y s t e m s T r a i n i n g S p e c i a l i s t s

Course Title: Wago 750 Fieldbus Controller Training Course

The Wago 750 Fieldbus Controller training course has been designed to familiarise Electricians, Technicians and Maintenance Engineers with little or no experience of PLC systems to the different aspects associated with the operation and maintenance of Wago 750 Controllers and the Wago CAA - CoDeSys programming software.

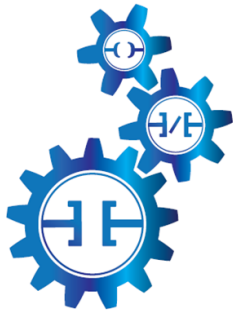
Where possible, application specific exercises, actual drawings and plant programs will be used to allow the students to gain the greatest possible benefit from the course.

Course Objectives:

- ☒ To introduce students to the concepts and operation of Wago 750 Ethernet Controllers.
- ☒ To recognise and understand the hardware associated with a Wago 750 controller.
- ☒ To be able to understand the structure of the Wago 750 project and to have the confidence to implement minor changes to the program.
- ☒ To be able to use the programming software to connect online to monitor and search through the Wago 750 program to determine problems on plant.
- ☒ To be able to locate and replace faulty modules by understanding and using the system diagnostics available when an error is present.
- ☒ To be able to take a backup copy of the Wago 750 controller program and to be able to restore a program back into the controller from a backup copy.

Course Content:

The hardware architecture of the Wago 750 range of controllers.
Understanding Wago 750 series I/O modules, their plant wiring and LED indicators.
Addresses used in the Wago 750 range of controllers.
An overview of the Wago 750 CAA/CoDeSys project structure.
First steps using the Wago CAA/CoDeSys IEC 61131 programming software.
Creating a training project to demonstrate plant programming examples.
Wago 750 systems hardware configuration.
Getting an online connection to the Wago 750 controller.
Downloading projects to the Wago 750 controller.
Online monitoring and the search facilities within Wago CAA/CoDeSys.
An overview of the programming methods used on plant programs.
A demonstration of simple program editing and modifying plant programs.
Reading the Wago 750 controllers instruction set.



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Programming examples including relay, maths, move, compare and logic functions.

Using and creating program documentation.

Using program documentation for fault finding purposes.

Analogue modules and analogue signal processing.

Diagnostic information and module information used for fault finding.

Wago 750 HTML visualisation operation and configuration.

If released to us two weeks before the scheduled course start date then we will include application exercises on your plant Wago 750 controller programs.

Customised training included in the course cost.

As part of this training course we will include custom application exercises for your own plant and processes, this value added option creates immediate payback for students on plant. It will have the benefit of the students becoming familiar with key areas of your PLC project(s) during the training course. This option does require the supply of your plant drawing and program listings at least 2 weeks prior to the course start date.

Course Duration: 4 Days

Documentation: Wago 750 Series Controller Training Manual.

Equipment per student: Wago 750 Fieldbus controller

Programming laptop

Plant simulator

Web link: [Wago 750 Fieldbus Controller Training Course](#)