PLC Analog Application Training | eBook Curriculum

eBook: 40661

The PLC Analog Applications eBook Courseware for AB ControlLogix PLCs adds to ControlLogix PLC Troubleshooting courses to teach PLC control of analog input and output devices. Analog I/O capability enables PLCs to more precisely control processes by providing variable output signals and receiving variable input feedback from sensors. Applications include temperature control, liquid level control, and variable speed conveyors just to name a few. Students will learn industry relevant skills including how to operate, interface, program and troubleshoot PLC systems using analog I/O.

In-Depth Curriculum

Comprehensive PLC Analog Application Curriculum

Amatrol's PLC analog application curriculum teaches PLC analog application topics, including: analog input and output modules and input and output module configuration and troubleshooting. Within these topics, learners will study objectives like configuring the input configuration screen parameters for a ControlLogix analog input module; troubleshooting a PLC routine that performs on/off control using an analog input; and designing a PLC routine that controls the speed of a conveyor with an analog output module.

Feature-Packed eBook Format Makes Learning Convenient

Amatrol's eBooks look like a real book and allow users to flip between pages with ease. Enhanced with features such as keyword searches and zoom controls that enable a user to quickly locate and view information, these eBooks are a fantastic learning tool. Amatrol's eBooks are available online and can be used by anyone with access to Amatrol's Learning Management System (LMS). Optionally, if you choose to use your own LMS, these eBooks are SCORM compatible to allow smooth integration into your current training system. Combined with our already extensive library of interactive multimedia titles, which are also SCORM compatible, users can now complete their entire course work online!

Teach Hands-On Skills

What is the Function of a Sensor?

A sensor is a measurement device that converts a process variable, such as speed, pressure, temperature, or flow, into an electrical signal. The term Process Variable is often used in discussing analog signals. The process is the

activity being controlled. A variable is a value that changes. So a process variable is a value that changes in the process. This is typically what is measured to control the process.

External Analog I/O Control
The analog training system also provides a convenient, compatible interface to external analog devices, enabling students to extend their study of real world applications, such as process control. The analog application station supports connections of four analog inputs and two analog outputs. The station is compatible with both voltage and current signals with a selector switch setting. It also includes 16 discrete I/O connections and indicators to support control of processes that require a combination of discrete and analog I/O.

Additional Info

Requires:

- Computer (see Computer Requirements)

Options:

- PLC Analog Application Learning System - ControlLogix (89-AS-AB5500)

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