Pro-EC44
Single or two loop advanced controller with graphic display

Simplifying user operation with an intuitive HMI, fast access front USB port and easy-to-use configuration and simulation software, Blue Control®.
Intuitive HMI and Fast Access USB Port

Save time with straightforward, fast set up via front panel
Pro-EC44 is designed to simplify user setup, step by step configuration with a wizard saves needing to work through several menus for initial configuration of common settings. A logical menu structure for intuitive navigation allows fast changes and updates to individual settings.

Configure controllers without the need for an expensive PC
PCs are often vulnerable in the harsh environments of production and process plants. Pro-EC44 configuration files can be downloaded to a controller using a flash memory stick via the front USB port allowing for fast programming with no risk to expensive equipment. Settings can also be read via the USB port to clone additional devices or configure a replacement.

Quick access to important product information
Stepping through several pages to get important process information can be time consuming and lead to inefficiency.

The Pro-EC44 pages have been carefully structured to show users the important process information on a single page, minimizing the steps to access data and settings. A color change green/red LED backlight provides easily recognizable alarm indication to improve response times in taking corrective action.

Reduce the number of controller spares needed on your production plant
Many production plants need several types of controller to get the control capability needed for different aspects of a manufacturing process. Pro-EC44 is a single controller meeting all your needs with many features to ensure good control performance.

Single or dual loop capability in a single device, cascade, VMD and ratio enhanced control with support features such as real time clock, timer, gain scheduling and profiler ensure Pro-EC44 meets application needs. In addition datalogging, trending, USB, Ethernet options add more capability to an already powerful device.

Designed For Challenging Applications

- Plastics, Extrusion & Rubber
- Industrial Ovens & Furnaces
  - Environmental chambers
  - and many more
Fast parameter configuration
BlueControl® software enables parameters to be set up quickly and safely through use of plain texts, a clear menu structure and online help.

Clone other devices - ideal for OEMs
The software provides the ability to copy, edit and save settings. Simplifies the set up process for multiple controllers.

Simulator for process testing before going live
The software offers a sophisticated simulator allowing settings to be tested in a virtual environment before setting the process live. This valuable functionality allows complete peace of mind during the set up process.

Increase efficiency with remote management
Users are able to monitor and adjust processes remotely. This flexibility provides greater levels of process control as well as offering better visibility for improved management.

Familiar software environment for ease-of-use
BlueControl® uses established MS Windows operating standards as well as familiar operating elements and menu structures of MS Office programs, making it an easy-to-use environment that users quickly become familiar with.
| Control | One or two control loops  
Gain scheduling – 5 PID sets  
Cascade control  
Ratio control  
Valve motor drive – three point stepping |
|---|---|
| HMI | Menu driven text display  
Language options – English, French, German, Spanish and Italian  
Green/red LCD – change on alarm  
Bargraph - output status or setpoint deviation. |
| Log Process Data | Recorder function  
- process, alarm, setpoints  
- access stored data via comms or front USB  
- real time clock  
Trend  
- shows 240 data points  
- PV, SP, Alarms |
| Inputs & Outputs | 2 universal process inputs  
to 9 digital inputs  
Remote setpoint input  
to 9 outputs  
Relay, SSR drive, Linear DC, Triac  
Transmitter power supply |
| Interfacing | RS485 - Modbus RTU  
Ethernet – Modbus TCP/IP  
USB Host |
| Profiler Function | 253 segments into 64 programs  
Event outputs  
Select and run profiles via Dis  
Hold function for guaranteed dwell  
Status pages with progress bar.  
Real time clock control. |

**Contact Us**

For more details on the full product range from West Control Solutions please visit [www.iseinc.com](http://www.iseinc.com).

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