

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, minimising the steps to access data and settings. A colour change green/red LED backlight provides easily recognisable alarm indication to improve response times in taking corrective action.

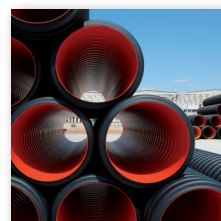
Reduce the number of controller spares needed on your production plant

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

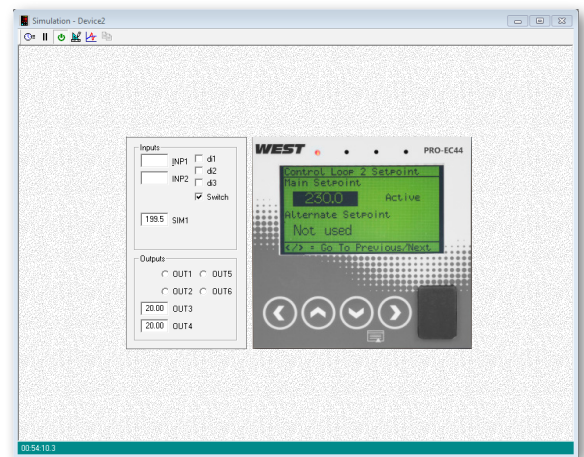


Fast parameter configuration

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.

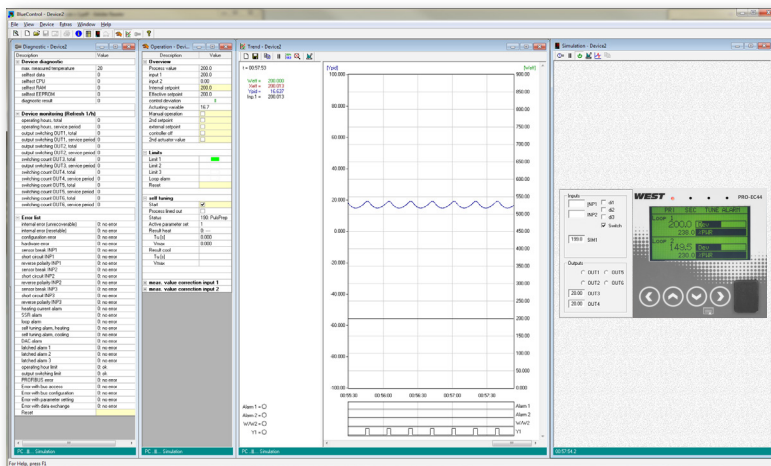


Simulator for process testing before going live

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.

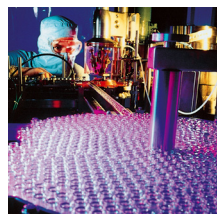
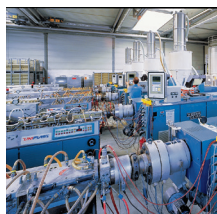
Increase efficiency with remote management

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.



- Laboratory and Test Equipment
- Boiler & Steam Processes
- Food & Beverage
- Packaging

BlueControl® Software

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 Di Hold function for guaranteed dwell Status pages with progress bar. Real time clock control.

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