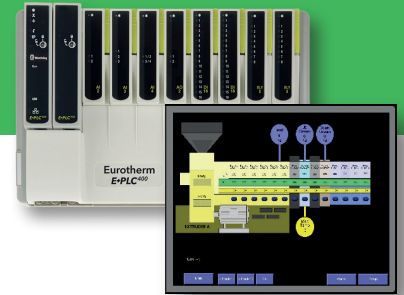


Maximize Control with the E+PLC⁴⁰⁰ Combination Package for Extrusion



Features

- Up to 100 Auto-Tuning PID control loops
- Standard and custom configurations
- SCRs for heater control
- Process alarms
- Heater failure detection
- Project and User Security
- Pressure monitoring
- Optional pressure control
- Multiple security levels
- Option for integrated drive control

Control and Measurement

Combining high-quality multi-channel analog measurement with Eurotherm's proven PID algorithm the E+PLC⁴⁰⁰ Combination Package achieves control and measurement performance equal to that normally reserved for conventional discrete controllers.

PID Control with Auto Tuning

The E+PLC⁴⁰⁰ controller encompasses the same Advanced Auto-Tuning from Eurotherm's long history of controls for the plastic extrusion market.

Heater Failure Detection

When the E+PLC⁴⁰⁰ is paired with the Eurotherm EPack compact SCR power controller using Modbus/TCP, advanced load diagnostic alarms such as total or partial load failure, over current, over or under or no voltage, SCR short circuit and more are available.

Recipe Manager

Recipes are available for setting and capturing control parameters.

Project and User Security

Users can protect their intellectual property by using the Project security feature. This security feature restricts read and write access protection without first entering a password. User security provides management of users and user groups for access writes to individual visualization elements.

E+PLC⁴⁰⁰ Combination Package for Extrusion

Have as much or as little as you need with an extrusion control system from Eurotherm. From our standard package to full line control, our worldwide network of project engineers will help you design a system that meets your requirements. Choose from our proven auto tune temperature control/pressure monitoring package or a complete system including melt temperature control, melt pressure control, sequence logic control, drive control and more.

Flexible Solutions

For over 50 years, Eurotherm has provided the plastic market with flexible solutions. Whether you are setting up a new line, upgrading from an existing Eurotherm product or retrofitting from a 3rd party product, our diverse product offerings and application expertise assures that each user or machine builder can be uniquely satisfied.

Communications

A standard feature is built-in Modbus/TCP and Ethernet I/P communications drivers. This enables communication to third party devices for integration and control.

The E+HMI¹⁵⁰ Remote Operator Panel

The E+HMI¹⁵⁰ touch screen operator interface panel offered in a 13" model is ideal for local or remote monitoring and operation of the process. It incorporates Standard Screen Packages with color coded situational awareness for easy set up and operation.

Standard features include:

- Overview screen
- Multiple trend screen
- Recipe screens
- Alarm screens
- Temperature screens with built-in alarms
- Two Ethernet ports
- Two USB ports

Data Logging

- Acquire data at user-defined rates from any or all connected devices into a single file to minimize the risk of data loss
- Data stored in tamper resistant Review compatible files

Webserver

- Embedded Webserver for remote viewing on any compatible web browsers

Codesys Development Environment

Control and Visualization are built in the single integrated development environment (IDE), reducing the time and cost of implementing a system. An excellent tool for creating custom solutions for End User and OEM applications.