

Maximize PID control with the Mini8[®] Controller Package for Extrusion

Features

- Up to 96 PID control loops
- Flexible and standard configurations
- 110ms PV sampling
- Math and logic functions
- Process alarms
- Heater failure detection
- OEM security

Control and Measurement

Combining high-quality multi-channel analog measurement with Eurotherm's proven PID algorithm the Mini8 controller achieves performance equal to that normally reserved for conventional discrete controllers.

PID Control with Auto Tuning

The Mini8 for Extrusion controller can control up to 96 PID loops. All with the Advanced auto-tuning from Eurotherm's long history of control in the plastic extrusion market.

Heater Failure Detection

Utilizing a unique cycling algorithm and current transformer input module, the Mini8 for Extrusion controller can automatically scan electrical heaters connected to its logic or relay control outputs and indicate heater partial load failure, over current or SSR short and open circuit.

Recipe Manager

Recipes are available for setting and capturing control parameters.

OEM Security

Users can protect their intellectual property by using the OEM security feature. This prevents unauthorized copying of configurations without first entering a user-defined password.

Data Acquisition

The Mini8 for Extrusion controller high-density analog inputs combined with the Penguin HMI offers remote viewing capability and acts as an HMI for the controller utilizing Master Communications. The user can control and view information from the Mini8 controller from either the Penguin touchscreen display or from any PC connected to the network.

- 32 Analog channels per Mini8 controller
- Trending
- Modbus/TCP Master communications
- Alarm notification via Email
- Secure storage of data
- Easy to use networking



Communications

The Mini8 for Extrusion controller utilizes a fixed Modbus address table providing easy integration into PLC, SCADA and other 3rd party systems.

An HMI is only as good as its communications...

The PenGUIn HMI clearly distinguishes itself in the marketplace through a powerful combination of monitoring, control and outstanding communication capabilities. Besides the standard HMI functionality, it also includes data logging, protocol conversion, port sharing and web server capability.

- Convert over 200 protocols
- Built-in web server
- On-board data logging
- Two Ethernet ports
- Two USB ports
- Remote monitoring and control
- Available in 10" & 15" configurations

The Mini8 for Extrusion controller has plenty of options: Protocol Conversion

- Convert over 200 major industrial protocols
- Gateway from any protocol to another
- Drag-and-drop data mapping via GUIcon
- Easily manage multi-vendor environments

Data Logging

- Acquire data at user-defined rates from any or all connected devices into a single file
- Data stored in open CSV file format (Excel compatible)
- Collect, store, display data Email or FTP logged files

Web Browser

- Web and network-enable any and all connected devices
- Auto-uploads data to FTP, web pages and/or dashboards
- Display same as panel, just tags or custom pages