Eagle Research Corporation® Process Controller is a standalone PID controller with pneumatic or current analog output options. The Process Variable Inputs are Pressure, Temperature, DP, Pulses or an AGA calculation of flow. The PID logic is performed electronically. The output options are 4-20 mA current loop or pneumatic valve command (3-15 or 6-30 PSI). A built-in battery allows continued control with DC power loss. Stand alone or remote set point change options are available. Power options include 12 or 24 volt A/C or solar supplies.

Features

Process Variable Input Options

- Pressure Transducer(s)
- DP Transducer
- Temperature RTD
- Pulse Input
- AGA Calculation of Flow

Control Input Options to adjust the PID Set-Points

- MODBUS
- 4-20 Input
- Raise/ Lower Pulse
- Max Pulse duration to protect against stuck Digital Output
- Guard Input
- Works with Analog or Pulse Inputs
- Can be disabled if desired

Internal Parameters

- Process Variable Scaling and Software Calibration
- PID Set-Point, and Tuning
- Output Scaling and Software Calibration
- Input Configuration

Feedback Options

- MODBUS
- 4-20 mA
- Controller Set-Point
- Process Variable
- Valve Command Signal

Configuration

- Built-in Keypad and Display
- Laptop Connection for **Field Manager™** Software

Packaging

- Hoffman Enclosure
- Keypad and Display for Local Configuration and Operation
- Designed for Class I Div II