

PRESSURE CONTROL TRAINER

Pressure Control System is designed to teach basic principle of Pressure Control, Sensor.

PROCESS DESCRIPTION:

Objective:

The process setup consists of pressure vessel fitted with Pressure transmitter, Pressure gauge, safety valve and Pneumatic valve with I/P converter. The pressure transmitter senses the pressure in the vessel and transmits the signals to the controller and depending on the set-point it transmits the signal to I/P converter which Compressor are optronic regulates the Pneumatic Control Valve. Computer P-IV & Compressor are optional.

Experiments:

1. To study the of P, PI, PD, PID Controllers.
2. Response of Auto, Manual, Direct, Rev mode of controllers.
3. Study of the PID controller tuning.
4. To study the response of the instruments Pneumatic Control.

