IPC-34 **CLOSED LOOP COMPUTERISED PRESSURE , LEVEL , FLOW , TEMPERATURE CONTROL SYSTEM**

RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To Study the closed loop Computerized Pressure , Level , Flow , Temperature control system with suitable software

TECHNICAL DESCRIPTION :

The system comprises of Pneumatic actuated diaphragm control valve , Pressure , Level , Flow , Temperature transmitter, I/P Convertor , ADC and DAC card , air filter regulator. A Labview / Scada software is used for the data acquisition , analysis and controlling. The I/P convertor controls the flow of air to Pneumatic actuated diaphragm control valve which ultimately controls the process variables of the system. A sump tank with centrifugal pump is provided. A rotameter is used to measure the flow the system. A suitable capacity compressor is provided The whole setup mounted on sturdy iron frame , powder coated with good color combination.

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DIMENSIONS AND WEIGHT :

Size :1.2 m.(L)x 0.75m(W) X 1.2m (H)

Weight :Approx. 125 Kg

SERVICE REQUIRED :

Power Supply: 230 v AC Single Phase

Air Supply : @ 5 kg /cm^2

SCOPE OF DELIVERY:

1. Experimental Setup
2. Instructional Manual

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