

IPC-15 CLOSED LOOP ELECTRONIC LEVEL CONTROL SYSTEM



RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To Study the closed loop electronic Level control system
2. To study the PID Controller.

TECHNICAL DESCRIPTION :

The system comprises of Pneumatic actuated diaphragm control valve , Level transmitter, I/P Converter , PID controller and air filter regulator. The set point is set on the PID Controller. The output from the level transmitter is given to the PID controller. The output from the PID controller is given to the I/P Converter. The I/P converter controls the flow of air to Pneumatic actuated diaphragm control valve which ultimately controls the level of water in the tank. A sump tank with centrifugal pump is provided. A rotameter is used to measure the flow the system. 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. 75 Kg

SERVICE REQUIRED :

Water : 100 ltr.

Power Supply: 230 v AC Single Phase

Air Supply : @ 5 kg /cm²

SCOPE OF DELIVERY:

1. Experimental Setup
2. Instructional Manual