The Tesca Level Control Setup includes an acrylic measurement tank with a Level transmitter, a control valve, an I to P converter, a source tank with a water pump, and all of the necessary flexible pipes for water circulation. The system is installed on a powder-coated metal table top frame. Capacitance or DPT type sensors are used in level transmitters. DELTA PLC with USB interfaces make up the electronic panel.

SCADA Software is provided for experimentation, Control action like PD, PI, PID can be conducted. Online data acquisition, trend plot are the salient feature of the system. Off line analysis, Printing of data graph can be done easily. The software is compatible with windows 8 or later operating system. Detail Manual will be provided to conduct experiment.

Specification:

- **Level Sensor :**
  - Pressure Transmitter(Model: ies-24P-PLC)
  - Capacitance type(Model: ies24C-PLC)
- **Measuring Tank :**
  - Acrylic tank of 30cm length(5 liters capacity)
- **Water Circulation :**
  - FHP pump with necessary piping (Flexible type)
- **Source Tank :**
  - SS Tank of capacity 20 liters (approximately)
- **Control Valve :**
  - 1/2" Globe Valve (Linear) 15mm Stem Travel
- **Actuator :**
  - Pneumatic Actuator input 3 to 15 PSI
- **I to P Converter :**
  - Input 4-20mA output 3-15 PSI.
- **PC Interface card :**
  - Delta PLC with RS232 / USB Port.
- **Power Supply :**
  - 230V 50 HZ
  - Manual bypass Values :
  - Manual ½"Gate Valve
- **Mounting :**
  - Mounted on a Powder Coated metal frame (Approx.650 X 500X 750. L X B X H)
- **Controller :**
  - PLC with SCADA based PID Software to control the process, control Action P,PI,PID. Trend plot with on line and off line, Printing and analysis.

Accessories(Optional) :

- Digital Level Indicator with Retransmission output
- Air Compressor
- Personal computer with latest features.

Note: Specifications are subject to change.

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