



Flow Control: typical controlled system

Controlled system: pipe with flow

Controlled variable: flow rate

Measuring element: turbine wheel flow rate sensor

Software controller can be configured and parametrised as P, PI, PID and switching controller

Actuator: electromagnetic proportional valve

Disturbance variable generated by changing the pump speed

Rotameter for observing the flow rate

Storage tank for closed water circuit

Software with control functions and data acquisition via USB under Windows 8.1, 10.

Specification:-

- Electromagnetic Proportional Valve As Actuator Turbine Wheel Flow Sensor Generation Of Disturbance Variables By Altering Pump Speed Software-Based Controlled System Simulation Process Schematic On Front Panel Networkable Software Via Usb Under Windows Vista Or Windows 7
- Storage Tank Capacity: Approx. 3 L
- Pump:-
 1. Power Consumption: 18W max.
 2. Flow Rate: 8L/min. max.
 3. Head: 6m
 4. Rotameter: 20-250L/h
 5. Proportional Valve: Kvs: 0-7m³/h
- Flow sensor: 0.5-3L/min
- Software Controller Configurable As P, PI, PID And Switching Controller Software Process Schematic With Controller Type Selection (manual, Continuous Controller, Two-Or Three-Point Controller, Programmer) Time Functions Simulation Function Disturbance Variable Input

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Required for Operation: 230V, 50/60Hz, 1 phase or 120V, 60Hz/CSA, 1 phase
- Set consisting of :-
 1. 1 experimental unit
 2. 1 hose
 3. 1 software CD+ USB cable
 4. fundamentals of control engineering 1 manual

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