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Product Name :
Fault Finding In Control Systems

Product Code :
LBNY-0005-12700076



Description :

Refrigeration system and pump to cool the water in the collecting tank
Pneumatic control valve in main circuit as actuator for all controls
Sensors for the measurement of the controlled variables; level, flow rate and temperature
Control of level, flow rate, temperature and cascade control
Main circuit with collecting tank, graduated stirred tank with heater, pneumatic control valve and centrifugal pump
PLC to monitor safety devices
Cooling circuit with pump, heat exchanger and rotameter
6 pushbuttons for fault simulation
2 parameterisable industrial controllers.

Technical Specification :

Main circuit centrifugal pump
Max. head: approx. 20m
Max. flow rate: approx. 75L/min
Tanks
Collecting tank: approx. 90L
Stirred tank with scale: approx. 7L
2 pumps, cooling circuit and refrigeration system
Max. head: approx. 4m
Max. flow rate: approx. 60L/min
Controller parameterisable as
P, PI or PID controller

Heater power output: approx. 2kW.



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