



Email : sales@laboratoryinstrumentindia.com

Product Name :
PLC Application Mixing Process

Product Code :
LBNY-0005-12700082



Description :

Transparent mixing tank with 3 capacitive proximity switches to monitor the level
3 transparent measuring tanks, each with 2 capacitive proximity switches
Clearly laid out trainer as basis for the use of a PLC in a process control application involving mixing processes
Control of the 8 solenoid valves, the pump and the agitator also by PLC via lab jack panel
Capacitive proximity switches with adjustable sensitivity
Metering from the 3 measuring tanks into the mixing tank via solenoid valves
Mixing assisted by stirring machine in mixing tank
Power supply to all components and to PLC by built-in power supply unit
Proximity switch signals processed by PLC via lab jack panel
Closed water circuit with centrifugal pump and stainless steel storage tank.

Technical Specification :

Centrifugal pump (submersible pump)
Max. flow rate: 150L/min
Max. head: 7m
Power consumption: 430W
Tanks
3 measuring tanks: each 1500mL
Mixing tank: 7L
Storage tank: 70L
2/2-way solenoid valves DN 8 and DN 20
Capacitive proximity switches, NO contacts

Power supply unit: 24VDC, 8A.



Laboratory Instrument India