

PLC BASED LIQUID MIXING TRAINER

MODEL: BSP02-B



FEATURES

- Robust and sturdy construction
- Easy and versatile operation
- Self contained system with complete instrumentation
- Incorporates standard industrial components

DESCRIPTION

The trainer specially designed to teach and familiarize students with PLC application especially metering and mixing. Fluid from a storage tank is pumped to three different tanks in a metered quantity controlled via solenoid valves. There are level switch that monitors the level. The fluid from the three tanks can be mixed together in the process tank that has a stirrer and switches. All the tanks are transparent, so the conveying and mixing processes are clearly visible.

INSTRUCTION MANUAL

Self explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises are also included in the manual.

EXPERIMENTAL CAPABILITIES

- Study of level switch
- Study of solenoid valve
- Programming of PLC
- Study of PLC and its real life applications
- Latches and PLC Programme editing
- PLC Application of Liquid mixing process
- Advance use of sequencing
- Fault finding and troubleshooting

COMPONENTS

1. Sump tank, 1 No.
2. Supply Tank, 3 nos.
3. Process Tank, 1 No.
4. Level switches, 5 Nos.
5. Centrifugal pump, 1 Nos.
6. Solenoid valve, 1 Nos.
7. Power supply and interface
8. Piping
9. Structure
10. Wiring

OPTIONAL

1. PLC with PC interface cable
2. PLC Trainer BSP02

SERVICES REQUIRED

1. Electric supply 230 V AC, 50 Hz
2. Water with drain arrangement

NiYo Engineers

Unit 1B, Devgiri Industrial Estate, S. No. 17/1B Plot No. 14, Kothrud, Pune 411 029
INDIA, Tel-91 20 2546 5004, 2546 8051, 2546 7296 Telefax - 91 20 2546 8051
e-mail- sales@niyoindia.com Web: www.niyoindia.com



- (1) Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice
- (2) Photographs are indicative only.