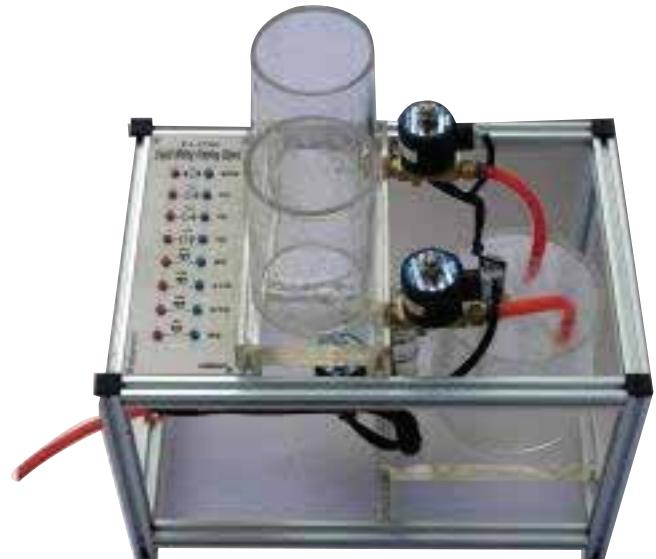


# PLC BASED LIQUID MIXING TRAINER

## MOD : AS-PL002



## INTRODUCTION

The PLC-Based Liquid Mixing Trainer is an advanced educational system designed to simulate industrial liquid mixing processes. Equipped with a Programmable Logic Controller (PLC), it allows learners to automate and control mixing operations, monitor levels, and adjust flow rates with precision. Ideal for hands-on training, this compact trainer bridges theoretical concepts with real-world applications in process automation.

## TECHNICAL SPECIFICATION

- ◆ EXPERIMENTAL CAPABILITIES
- ◆ Study of levels switch,
- ◆ Study of solenoid valve,
- ◆ Programming of PLC
- ◆ Study of PLC and its real life applications,
- ◆ Latches and PLC Program editing
- ◆ PLC Application of Liquid mixing process,
- ◆ Advance use of sequencing
- ◆ Fault finding and troubleshooting
- ◆ COMPONENTS
- ◆ 1. Sumptank, 1 Nos, 2. Supply Tank, 3 nos.,
- ◆ 3. Process Tank, 1 Nos.,
- ◆ 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.

### SERVICES

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

Original packing: Each equipment delivered in original pack in a single box and end user open the box first time at delivery point.

## Accessories :

Connecting jack 2 mm/4 mm : 01 Set ,  
 Power Cable: 01 no ,PLC to PC  
 Communication cable: 01 Sets,  
 Simulation software for compatible PLC ,

## Others :

Origin(Parts) : China, Taiwan, Japan  
 Manufacturing: Assemble in Bangladesh  
 Installation, Training  
 Warranty: 01 year