

PC OPERATED INTERACTING, NON-INTERACTING SYSTEM TRAINER

MODEL: BSP22



FEATURES

- Compact and sturdy construction
- Easy and versatile operation
- Self-contained system

DESCRIPTION

PC Operated Interacting, Non-interacting System Trainer is designed to study dynamic response of different systems. Level is taken as a parameter to carry out these studies.

Three tanks are supplied with a facility to make the system interacting as well as non-interacting as per the requirement of the trainees.

Water is pumped from a sump tank located at the bottom of the equipment to the tank under study. A special design ensures steady flowrate. Flow and level are captured by the software. Step change/Impulse can be applied directly from the software.

The data is displayed in tabular as well as graphical format. A user-friendly software helps analyse the data. There is a facility to export the data in MS Excel format, print the data, save the data, etc.

INSTRUCTION MANUAL

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

LIST OF EXPERIMENT

- Step response of single capacity system.
- Step response of first order systems arranged in non-interacting mode.
- Impulse response of first order systems arranged in non-interacting mode.
- Step response of second order systems arranged in interacting mode.
- Impulse response of second order systems arranged in non-interacting mode

COMPONENTS

1. Sump Tank
2. Process Tank(s)
3. Variable discharge water pump
4. Level transmitter(s)
5. Flow sensor transmitter
6. Piping
7. Interface and data acquisition hardware
8. Windows based software

OPTIONAL

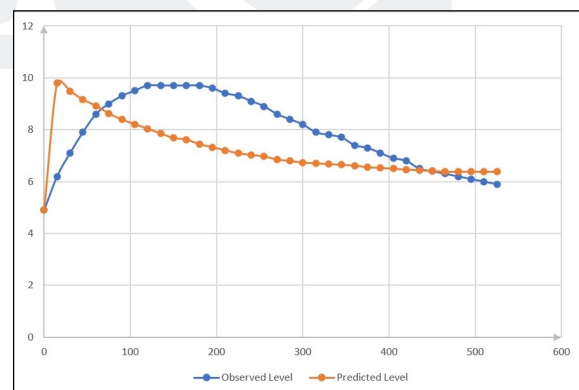
1. Computer

SERVICES REQUIRED

- Electric supply
- Water

MODELS

- BSP22-A: Single Tank System
- BSP22-B: Two Tank Interacting System
- BSP22-C: Two Tank Non-Interacting System
- BSP22-D: Universal Interacting and Non-Interacting System



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- (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.