



The Instrumentation and Process Control Trainer is a comprehensive laboratory workstation designed for practical training in industrial process instrumentation, control systems, and thermal process applications. The system integrates measurement, control, and experimentation modules for undergraduate and technical laboratory studies.

System Configuration

The trainer consists of the following integrated components:

- Multimeter
- Hand-Operated Two-Way Valve
- Heating Unit Radiator
- Stainless Steel Work Surface
- DC Power Supply
- Column Pressure Transmitter
- RTD Temperature Transmitter
- Venturi Tube Hose Set and Accessory Kit
- Pumping Unit
- Expanding Work Surface (Large)

Training Modules

The system includes dedicated instructional and experimental modules covering:

Temperature Process and Heat Exchanger

- Workbook (Student Manual)
- Workbook (Instructor Manual)

Pressure, Flow, and Level Processes

- Workbook (Student Manual)
- Workbook (Instructor Manual)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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I/O and Interface System

- Integrated I/O Interface Module
- Process signal interfacing for instrumentation experiments
- Sensor and transmitter connectivity provisions

Mechanical Construction

- Industrial-grade workstation bench
- Assembled structure with dressing panels
- Lockable front door for secure storage
- Integrated storage compartment
- Antibacterial work surface consumables

Applications

The trainer is suitable for:

- Process Control Laboratories
- Instrumentation Engineering Training
- Industrial Automation Education
- Temperature, Flow, Pressure, and Level Measurement Experiments
- Heat Exchanger Process Studies
- Sensor and Transmitter Calibration Exercises

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