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**Product Name :**  
Process Trainer

**Product Code :**  
LBNY-0005-18500010



#### **Description :**

Process Trainer is an educational package that mimics industrial process engineering. The fully integrated, self-contained teaching apparatus gives a comprehensive range of process control experiments, from basic to advanced. Using water as the working fluid, the equipment allows safe, practical experiments on control of flow, liquid level, temperature and pressure. Students can study each of these separately or in combinations.

#### **Technical Specification :**

##### **Dimensions:**

Control module: 80 mm x 500 mm x 370 mm

Experiment module: 800 mm x 1000 mm x 450 mm

Packed for export: 0.5 m<sup>3</sup>

##### **Weights:**

Control module: 7 kg

Experiment module: 40 kg

Packed for export: 80 kg.

##### **Process and cooling loop, with:**

Cooling radiator and fan

Temperature transmitter

Flow transmitter

Proportional valve

Temperature transmitter

Reservoir

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Circulation pump  
Process loop bypass valve.

Clear process vessel with:

Heat exchanger coil  
Pressure transmitter  
Level transmitter  
Stirrer  
Vent valve  
Drain valve  
Temperature transmitter

Heating loop, with:

Heater tank with heater  
Heat exchanger output/tank return temperature transmitter  
Heater loop flow rate transmitter  
Low level float switch  
Circulation pump  
Temperature transmitter  
Over-temperature safety device.



**Laboratory Instrument India**