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**Product Name :**  
Flash Drum Trainer With PLC

**Product Code :**  
LBNY-0005-1060003



#### **Description :**

Flash Drum Trainer With PLC trainer provides the student the opportunity to gain real operating experience focusing on both the process of flash separation and control strategy. The Flash Drum Trainer With PLC is a bench-scale plant that demonstrates continuous separation of a binary mixture of water saturated with carbon dioxide. The process has instrumentation to provide for control of operating flow, temperature, level and pressure.

#### **Function of Flash Drum Trainer With PLC**

Flash Drum Trainer With PLC trainer separates a water CO<sub>2</sub> mixture in a see-through, industrial glass vessel. The trainer is equipped with process measurement and control devices. The separation of volatile gasses dissolved in a liquid and recovery of the components usually involves a flash drum. Flash drum operations are found throughout the petroleum, petrochemical and numerous other industries. The entire trainer is controlled from a programmable logic controller computer interface (PLC). It has one each of temperature, pressure, level and flow controls.

#### **Technical Specification :**

Electronic process measurement with 4 PID control loops by PLC  
Time to reach steady state after a reasonable step change less than 10 minutes  
See-through separator vessel 6 (15mm) ID  
Electric process heater  
Membrane pre-carbonator using bottled CO<sub>2</sub> and tap water  
Complete unit mounted on a metal table  
Available in all world voltages frequencies

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Approximate overall dimensions 122 x 66 x 150 cm high.



**Laboratory Instrument India**