



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Pressure Control Demonstration Unit

**Product Code :**  
LBNY-0005-12700087



#### **Description :**

Control valve: electro-pneumatic control valve  
Digital industrial controller, parameterisable as a P, PI or PID controller  
Large process schematic on front panel  
Experimental unit for control engineering experiments  
Generation of disturbance variables by needle valve  
2 Manometers  
Process variables X and Y accessible as analogue signals via lab jacks  
Pressure control of a 2nd order controlled system with 2 pressure tanks  
Pressure measurement by pressure sensor.

#### **Technical Specification :**

Operating pressure: 6bar  
Pressure tanks  
Pressure: max. 10bar  
Pressure sensor: 0...6bar  
Capacity: 10L  
Manometers: 0...10bar  
Electro-pneumatic control valve  
Nominal valve stroke: 6mm  
Reference variable: 4...20mA  
Controller: parameterisable as P, PI or PID controller  
Connection of external recording devices (e.g. oscilloscope, line recorder) via lab jacks

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Process variables as analogue signals: 0...10V.



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