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**Product Name :**  
Flow Control Demonstration Unit

**Product Code :**  
LBNY-0005-12700079



#### **Description :**

Flow measurement by paddle-wheel sensor  
Generation of disturbance variables by ball valve with scale in pipe section outlet  
Experimental unit for control engineering experiments  
Flow control in a pipe section  
Process variables X and Y accessible as analogue signals via lab jacks  
Digital industrial controller, parameterisable as a P, PI or PID controller  
Large process schematic on front panel  
Rotameter to visualise the flow  
Control valve: electric control valve.

#### **Technical Specification :**

Storage tank  
Capacity: 15L  
Stainless steel  
Pump, 3-stage  
Controller parameterisable as P, PI or PID controller  
Process variables as analogue signals: 0...10V  
Max. flow rate: 83L/min  
Max. head: 6m  
Power consumption: 90W  
Electric control valve: Kvs: 5,7m<sup>3</sup>/h  
Paddle-wheel sensor: 3...50L/min

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Connection of external recording devices (e.g. oscilloscope, line recorder) via lab jacks.



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