

**Product Name :**  
Training System Flow Control

**Product Code :**  
NLAB-ENGINEERINGLB54006



**Description :**

Training System Flow Control

**Technical Specification :**

- A piping system with two flow meters is supplied with the flow by a speed-controlled pump from the transparent storage tank.
- The rotameter offers the advantage that the flow rate can be observed directly at any time.
- The flow rate is measured by a turbine wheel flow sensor.
- The sensor output signal is sent to the software controller.
- The output signal from the controller influences the setting of an electromagnetic proportional valve.
- To investigate the influence of disturbance variables, the pump speed can be altered by way of the software.
- The powerful state-of-the-art software is an integral part of the training system, embodying the principle of hardware/software integration (HSI).

- It enables the experiments to be conducted and evaluated in a user-friendly manner.
- The software has network capability.
- The link between the experimental unit and the PC is made via a USB port.

## **Pump**

- Power consumption: 18W
- Max. flow rate: 8L/min
- Max. head: 6m
- Rotameter: 20...250L/h
- Proportional valve: Kvs: 0,7m³/h
- Flow sensor: 0,5...3L/min
- Software controller configurable as P, PI, PID and switching controller

## **Technical Data**

- Storage tank
- Capacity: approx. 3000mL

## **Software**

- Process schematic with controller type selection.
- Manual, continuous controller, two or three-point controller, programmer.
- Time functions.
- Simulation function.
- Disturbance variable input.

We are well-known manufacturers, OEM suppliers of Training System Flow Control for Applied Machines. Contact us for high quality Training System Flow Control for Applied Machines for schools lab, college lab, universities, research labs, various teaching and workshop training laboratories and industries in India.

## Naugralabequipments

**Website:** [www.naugralabequipments.com](http://www.naugralabequipments.com), **Email:** [sales@naugralabequipments.com](mailto:sales@naugralabequipments.com)

**Address:** 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003