

Product Name :
Training System Pressure Control India

Product Code :
NLAB-ENGINEERINGLB54009



Description :

Training System Pressure Control

Technical Specification :

- This compact teaching/training unit offers every opportunity to learn the fundamentals of process control through experimentation on a pressure control system.
- The experimentation set-up is mounted on a solid housing which accommodates all the electronics.
- The process tank is charged with compressed air by a diaphragm gas pump.
- The advantage of the dial-gauge manometer is that the pressure in the tank can be observed directly at any time.
- The pressure is measured using a pressure sensor.
- The sensor output signal is sent to the software controller.
- The output signal from the controller influences the speed of the diaphragm gas pump and hence the delivery flow rate.

- An air consumer is simulated by way of a restrictor valve.
- A solenoid valve through which air can escape can be activated by the software to investigate the influence of disturbance variables.
- 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.

Diaphragm gas pump

- Max. flow rate: 3L/min
- Max. positive pressure: 1bar
- Max. Negative pressure: 250mbar abs.

Pressure tank

- Capacity: 400mL
- Operating pressure: 1bar
- Max. pressure: 10bar
- Pressure control range: 0...1bar
- Solenoid valve: Kvs: 0,11m³/h
- Pressure transducer: 0...1bar
- Manometer: 0...1bar

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

Naugralabequipments

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