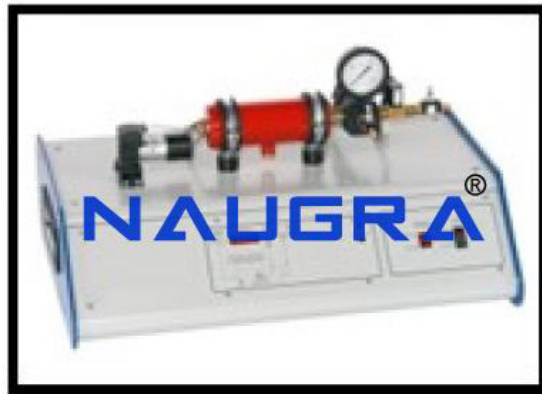| **Product Name :**	**Product Code :**
Training System Pressure Control HSI	AR915

Description :

Training System Pressure Control HSI

Technical Specification :

Training System: Pressure Control, HSI
This compact experimental unit offers every opportunity to learn the fundamentals of control engineering through experimentation on a pressure control system. The experimental setup is mounted on a housing which accommodates all the electronics. The pressure 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 flow rate. An air consumer is simulated by way of a flow control valve. A solenoid valve through which air can escape can be activated by the software to investigate the influence of disturbance variables.
Experimental unit for control engineering experiments
Pressure control in a tank
Speed controlled diaphragm gas pump
Electronic pressure sensor
Solenoid valve to generate disturbance variables
Software-based controlled system simulation
Process schematic on front panel
Networkable software
Software with control functions and data acquisition via USB under Windows 7, 8.1, 10 including PC1 Computer-System with 21" TFT-Monitor Win 10 engl.

Technical Data:
Diaphragm gas pump
Flow rate: 3L/min
Positive pressure: 1bar
Negative pressure: 250mbar abs.
Pressure tank
Capacity: 400ml
Operating pressure: 1bar
Pressure: 10bar
Pressure control range: 0...1bar
Solenoid valve: Kvs: 0,11mÂ³/h
Pressure transducer: 0...1bar
Manometer: 0...1bar
Software controller configurable as P, PI, PID and switching controller
Software
Process schematic with controller type selection (manual, continuous controller, two- or three-point controller, programmer)
Time functions
Simulation function
Disturbance variable input
230V, 50Hz, 1 phase

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

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