Phone: +91-9896600003
Email : sales@naugralabequipments.com

Product Name :	**Product Code :**
PH-Value Control Trainer	NLAB-ENGINEERINGLB54012

Description :

PH-Value Control Trainer

Technical Specification :

- This teaching and training system provides a comprehensive experimental introduction to the fundamentals of process control using an example of continuous pH control.
- A caustic solution is added to fresh water by way of a metering pump.
- The pH-value of this solution is measured.
- The acid is then added to the solution as a neutralizing reagent by way of a second metering pump.
- The chemical reaction occurs in a pipeline system.
- The pH-value is then remeasured.
- A state-of-the-art digital industrial controller controls the second metering pump with reference to this pH-value.
- The neutralized solution flows into the product tank.

- A third manual measurement of the pH-value in the product tank permits disposal of the solution with a neutral pH-value.
- The pH-value of the input solution can be varied by manually adjusting the metering pump or by varying the quantity of fresh water.
- This enables disturbances to be simulated.
- The controlled variable X and the manipulating variable Y are plotted directly on an integrated 2-channel line recorder.
- Alternatively, the variables can be tapped as analogue signals at lab jacks on the switch cabinet.
- This enables external recording equipment, such as an oscilloscope or a flatbed plotter, to be connected.
- Process control software is optionally available.
- The software permits the construction of a complete networked system comprising multiple trainers from the series.
- The key process variables can also be represented, and control functions executed.
- The well-structured instructional material lout lines the technological fundamentals and provides a step-by-step guide through the experiments.

We are well-known manufacturers, OEM suppliers of PH-Value Control Trainer for Applied Machines. Contact us for high quality PH-Value Control Trainer 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, **Email:** sales@naugralabequipments.com

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