

**Product Name :**  
Trainer for Field Bus Applications

**Product Code :**  
NLAB-ENGINEERINGLB54004



**Description :**

Trainer for Field Bus Applications

**Technical Specification :**

- Field bus technology plays a key role in modern-day process automation.
- The field bus permits networking of terminal devices such as controllers, sensors or actuators in the plant system (field level) with the higher-level control room (control level).
- A network of this kind can be quite extensive; line lengths of as much as 1000 metres and more are possible.
- This benchtop trainer is used to teach the initial basic steps in field bus technology based on the example of Profibus DP.
- Various terminal devices (slaves) are activated and read by a PC with a Profibus DP interface (master).
- The required hardware is largely pre-configured.
- Students are able to concentrate on the software programming of the field bus system.

- the following specific topics can be covered: System configurator with DMF (Device Master File), bus topology, communication protocols, tags, OPC (OLE for Process Control) server, input and output of process data, and much more.
- The unit includes a digital process controller as well as analogue and digital input and output modules with a Profibus DP interface.
- Two potentiometers permit the simulation of input signals for the controllers.
- A digital voltmeter displays the output signals.
- Digital signals are generated by switches and displayed by LEDs.
- The controlled variable, manipulating variable and reference variable data are delivered as standard signals at lab jacks, enabling the controllers to be incorporated into real processes at any time.
- Clearly structured instructional material outlines the fundamentals and provides a step-by-step guide through the exercises.

## Naugralabequipments

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

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