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Product Name :
Setup Of Field Bus Systems

Product Code :
LBNY-0005-10900011



Description :

A network of this kind can be quite extensive; line lengths of as much as 1000 metres and more are possible. This experimental unit 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). 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). The experimental unit includes a digital controller as well as analogue and digital input and output modules with a Profibus DP interface. A digital voltmeter displays the output signals. Digital signals are generated by switches and displayed by LEDs. Two potentiometers permit the simulation of input signals for the controllers.

Technical Specification :

Experimental unit for field bus systems
Signal generator
Digital voltmeter
Profibus DP interface card for PC
Digital controller, configurable as a P, PI or PID controller with Profibus DP interface
Analogue Profibus DP O module
Analogue Profibus DP I module
Digital Profibus DP IO module
All process variables accessible as analogue signals at lab jacks 0...10V.



Laboratory Instrument India