

Product Name :
Setup of Field Bus Systems

Product Code :
AR196



Description :

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Technical Specification :

Setup of Field Bus Systems

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.

Experimental unit for field bus systems

Digital controller, configurable as a P, PI or PID controller with Profibus DP interface

Analogue Profibus DP I module

Analogue Profibus DP O module

Digital Profibus DP IO module

Signal generator

Digital voltmeter

Profibus DP interface card for PC

OPC server under Windows

Process control software via PCI under Windows 7, 8.1, 10 including PC1 Computer-System with 21" TFT-Monitor Win 10 engl.

All process variables accessible as analogue signals at lab jacks 0...10V

Technical Data:

Controller

Configurable as P, PI or PID controller
Proportional gain X_p : 0...999,9%
Integral action time T_n : 0...3600s
Derivative time T_v : 0...1200s
Signal generator: 0...10V
Digital voltmeter: 0...20V
Process variables as analogue signals: 0...10V
4 analogue inputs: 0...10V
2 analogue outputs: 0...10V
4 digital inputs, 4 digital outputs
Connection of external instruments (e.g. oscilloscope, line recorder) via lab jacks
230V, 50Hz, 1 phase

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