

**Product Name :**  
Setup of Field Bus Systems

**Product Code :**  
AR196



**Description :**

Setup of Field Bus Systems

**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

## Naugralabequipments

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