



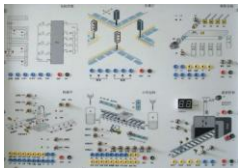
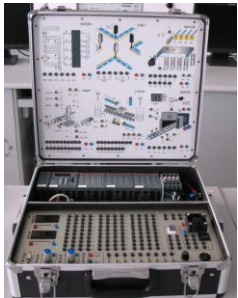
AC500 Success Story 2009/12

AC500 Application Reference-Demo Case University-ABB United PLC Laboratory

Xiamen, China

University-ABB United PLC Laboratory

Demo cases(Ordinary)



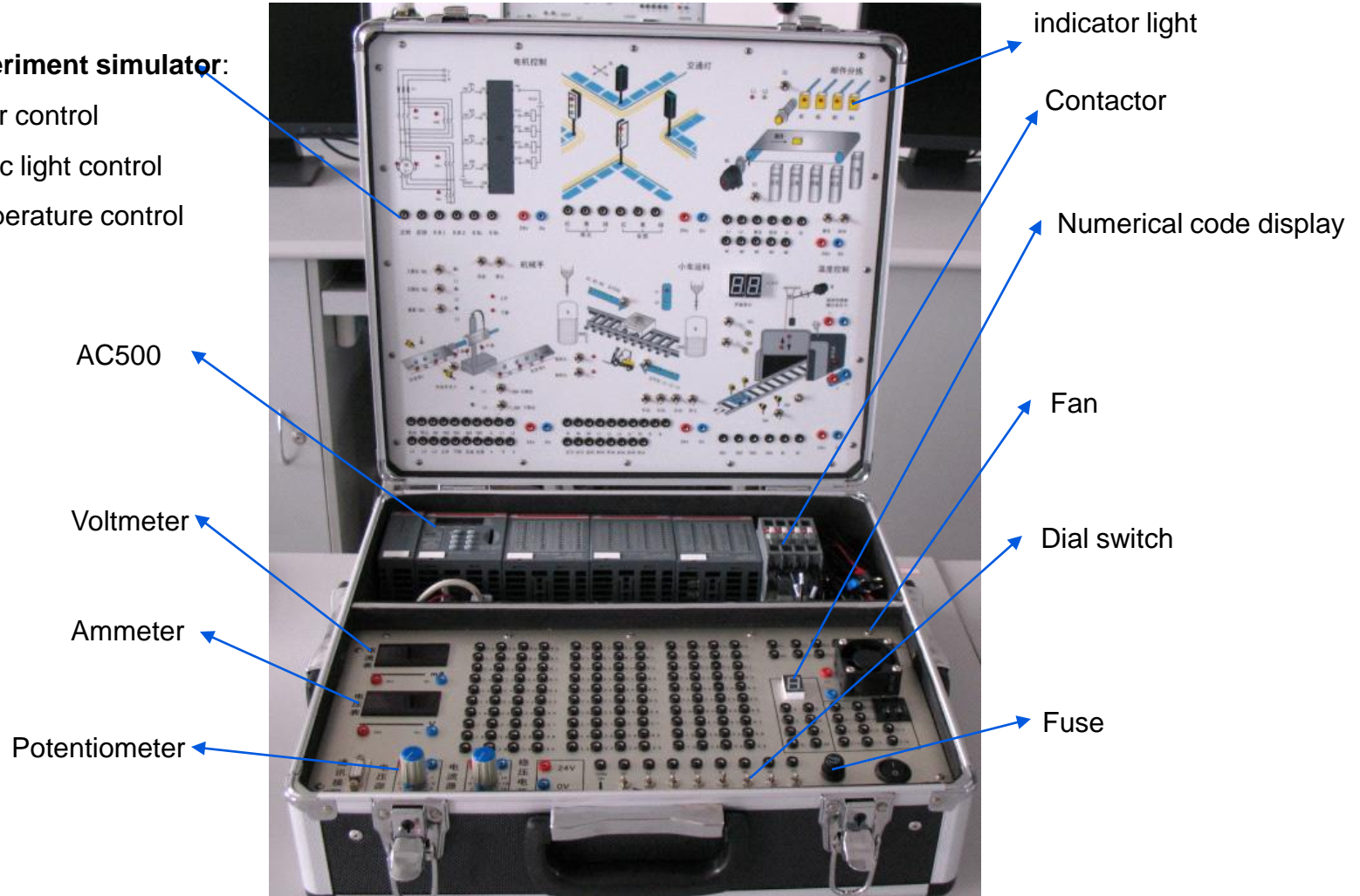
Demo Configuration per case:

- 1 x AC500 PM571-ETH.
- 1 x TB511-ETH
- 1 x TA524
- 1 x DC532 16 DI/ 16DC
- 1 x DC522 16 DI/ DO
- 1 x AX521 4AI/ 4AO
- 3 x TU516
- 1 x CP-E 24/2.5

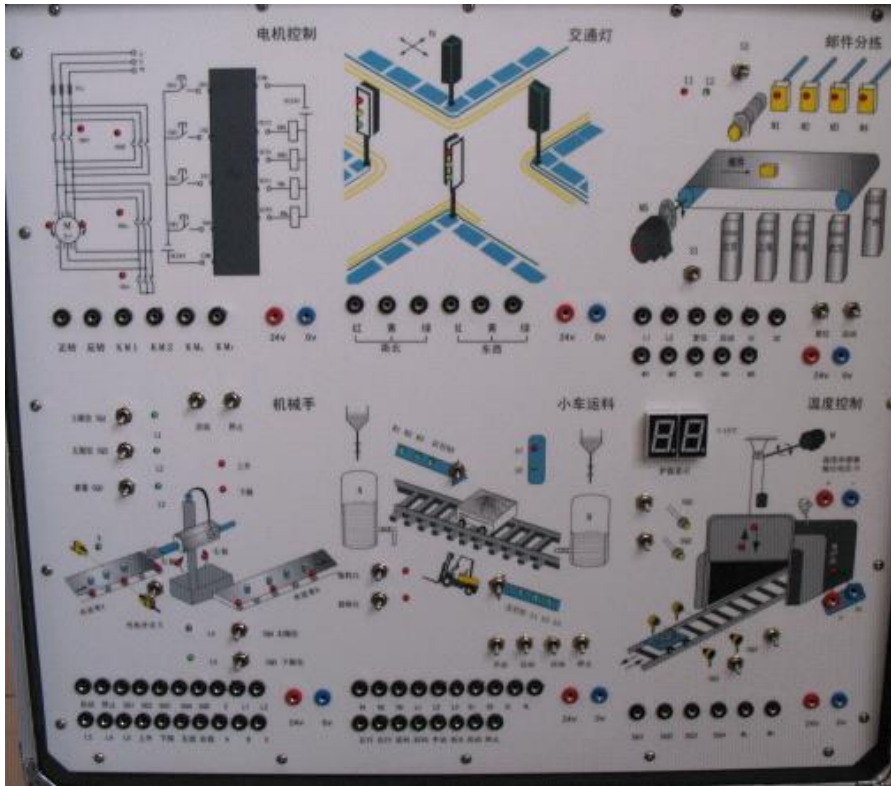
University-ABB United PLC Laboratory Demo cases(Ordinary)

Experiment simulator:

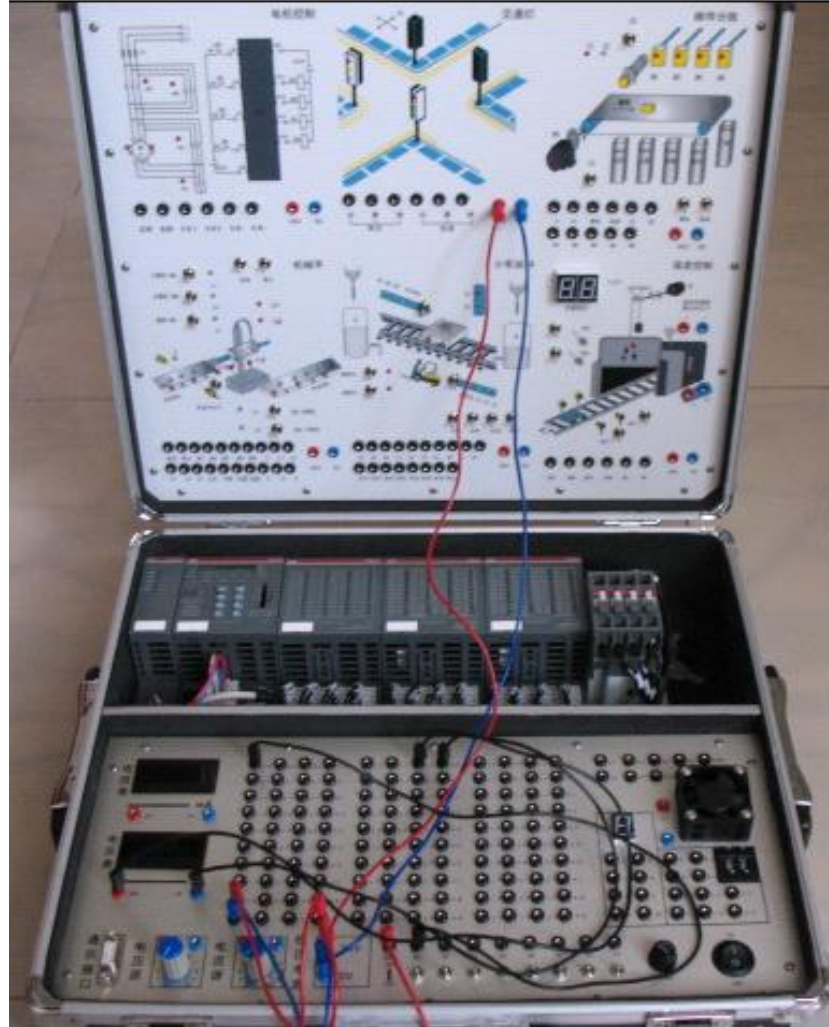
- Motor control
- Traffic light control
- Temperature control
-



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Demo cases(Ordinary)

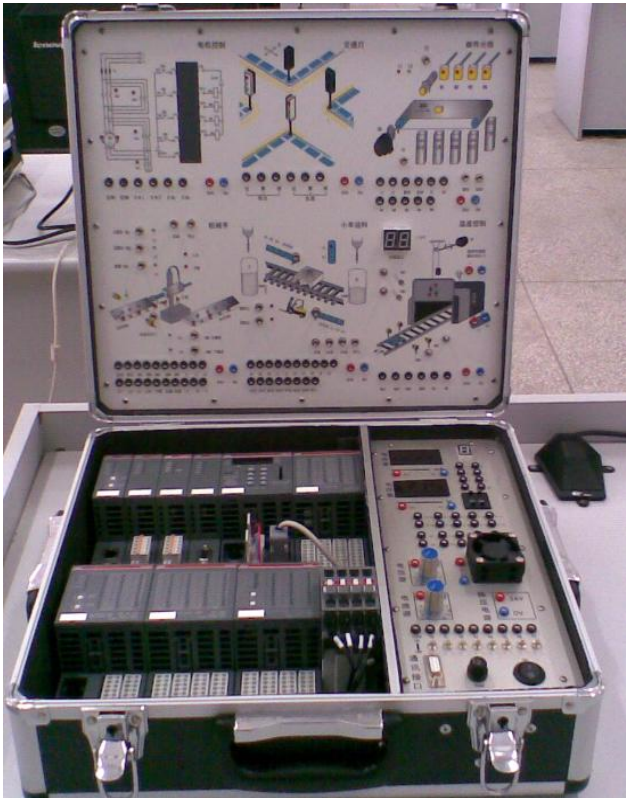
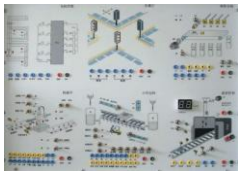


Performance:

- Flexibility in providing various type of communication protocols like Modbus(Master/Slave),ASCII,CS31,Ethernet(TCP/IP) and OPC connectivity.
- Common terminal bases for all modules, ease of wiring.
- Less spare parts because of configurable I/O modules(configurable by software)
- For data logging and monitoring.Easy access to all the PLC variables using PS541 HMI.
- Access to all the information and equipment over Ethernet.
- Provide offline simulation mode for students easier to learn.

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Demo cases(Advanced)



Demo Configuration per case:

- 1 x AC500 PM571-ETH.
- 1 x TB541-ETH
- 1 x DC532 16 DI/ 16DC
- 1 x DC522 16 DI/ DO
- 1 x AX521 4AI/ 4AO
- 3 x TU516
- 1 x DC551-CS31
- 1 x TU552-CS31
- 1 x DC505-FBP
- 1 x TU506-FBP
- 1 x CM572-DP
- 1 x CM575-DN
- 1 x CM578-CN
- 1 x CM577-ETH
- 1 X CP-E 24/2.5

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Experiment simulator:

- Motor control
- Traffic light control
- Temperature control
-

AC500

CS31 as remote I/O network

FBP as remote I/O network

Contactor

Numerical code display

Voltmeter

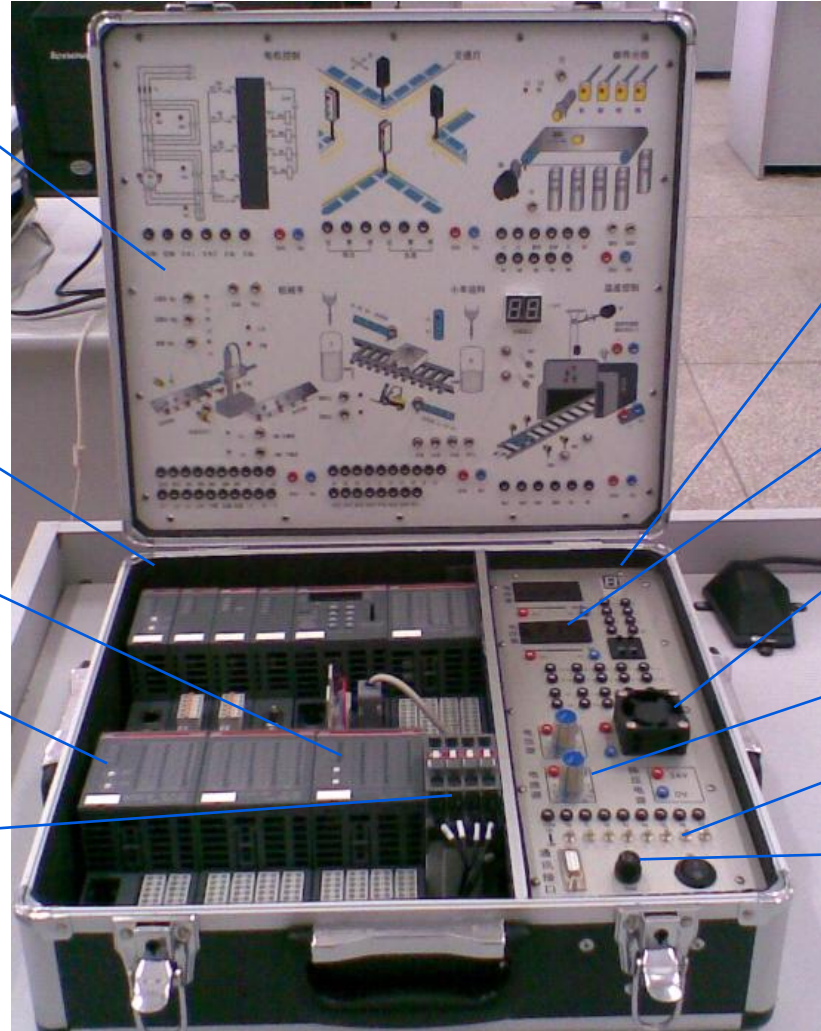
Ammeter

Fan

Potentiometer

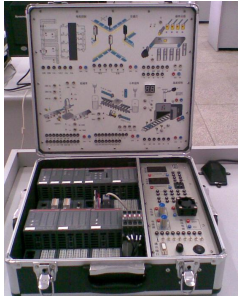
Dial switch

Fuse



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Demo cases(Advanced)



Performance:

- Flexibility in providing various type of communication protocols like Modbus(Master/Slave),ASCII,CS31,Ethernet(TCP/IP) ,Profibus-DP,DeviceNet,CANopen and OPC connectivity.It is convenient for teachers to select relevant communication field bus for subject study by demo case.
- CS31 as remote I/O network.
- FBP as remote I/O network.
- Common terminal bases for all modules, ease of wiring.
- Less spare parts because of configurable I/O modules(configurable by software)
- For data logging and monitoring.Easy access to all the PLC variables using PS541 HMI.
- Access to all the information and equipment over Ethernet.
- Provide offline simulation mode for students easier to learn.

Jimei University-ABB United PLC Laboratory



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