

# ABB PLC TRAINER KIT

## Model Number : ABB-BS-AC500-TKT



ABB-BS-AC500-TKT is a complete training system, introducing the students to the operation, programming and troubleshooting of modern industrial programmable logic controllers. A complete curriculum is provided incorporating many learning activities related to basic sequence, circuit flow, ladder logic programming, counter, timers, function blocks, special functions, floating points, arithmetic operation, network communications, statement list, structured text, sequential function chart, free graphical function chart and troubleshooting . Many activities reflect realistic industrial applications. Ethernet networking and input/output devices and a wiring kit are provided, making the device complete and ready for use. This product, together with its associated student manual & programming manual, creates a complete introductory course in ABB PLCs, for industrial training applications as well as in the educational learning. An ABB PLC (Programmable Logic Controller) is effectively a computer with I/O. The I/O (input/output modules) is a method of getting signals from the outside world into the computer and back again. The I/O is generally robust (so they can cope with noise and spikes). ABB PLCs conform to IEC 61131-3 International Standards.

# **MECHATRONICS**

## **TOUCH SCREEN TRAINER WITH PLC**

### **Model Number : BSE-CQM1H-PLC/T**

## **GENERAL SPECIFICATION**

Operation Conditions 0 to 60° C, 85% or Less (R.H.)

Input power AC240V, 50/60Hz 1-Phase

### **PRODUCT FEATURES :**

- Works with Existing Equipment
- Equipped with manual switches to simulate all inputs
- Equipped with indication lights to simulate all outputs
- Ethernet ready system. Ready to communicate with personal PC
- Short circuit protection
- Allows for attachment to external devices.
- Easy connect ability to existing motor sensors, valves and switches through standard banana jacks or spring contact terminals.
- Can be combined with other DAC devices relating to industrial sensors & others macaronis training
- Training kits are scalable and expendable with plug and play configuration

### **EQUIPMENT**

- Allows ABB PLC main unit to be programmed from a Personal Computer in 6 types of commonly used languages namely Statement List, Function Block, Ladder Diagram, Structure List, Sequential Function Chart and Graphical Function Chart. Using Codesys Visualization for programming .
- Ethernet enabled for network simulation and simultaneous upload and download for mega project virtualization.