

Training Box

| Specification | | Model | FBs-TBOX | |
|-----------------------------|------------------------------------|--|--|--|
| Case | | Aluminum suitcase. Dimension is 46x32x16cm. Top cover and box body can be separated. | | |
| Power supply | | 100~240VAC / 2A fuse / power switch with indicator | | |
| PLC | | FBs-24MCT(transistor output)+FBs-CM25E(Ethernet communication module) | | |
| Programming tool | Programmer | FP-08 handheld programming panel, can develop program, monitor (optional) | | |
| | Winproladder Programming Software | Instructor site: WinProladder with 'teaching assistant' utility Student site: WinProladder | | |
| Communication interface | Built-in | Port0 | RS 232 Mini-DIN | |
| | Communication board(CB) (optional) | Port1 | RS232 or RS485 selectable, directly mounted on FBs-24MCT main unit | |
| | | Port2 | | |
| | FBs-CM25E | Port3 | RS232, standard DB-9F connector | |
| | | Port4 | RS485, 3-pin European terminal block | |
| (Port4) | | Ethernet 10 Base T, IEEE 802.3 standard. Use port4 to interface PLC main unit | | |
| Input interface | | Banana terminal and simulation switch with automatic and manual reset functions | | |
| Output interface | | Banana terminal, 10 points. Transistor output(Y0~Y9). All outputs buffer with discrete relay before come to terminal. Y0 and Y1 also provide a direct output terminal for high-speed pulse output (HSPSO) application. | | |
| Expansion module (optional) | | Secured by DIN Rail, 12.5cm wide slot, can accommodate three 4cm thin modules or other modules with equivalent width | | |
| Application peripheral | Display module | 4 digits 7-segment display module, attached with BCD decoding circuit | | |
| | Thumbwheel switch | 4 digits BCD thumbwheel switch module | | |
| | Keyboard module | 4 x 4 matrix keyboard module (Wiring coordinate with convenient instruction) | | |
| | Encoder | Power supply 24VDC, 200P/R, open collector, A/B phase | | |
| | Stepping motor | Pules/DIR control, 200P/R | | |
| | LED display | 10 of 10mmØ high-brightness LED (in red, yellow, and green), driven individually by Y0 to Y9 | | |
| Number of linked stations | | Maximum 254 stations (1 station for instructor, 253 stations for student) | | |

Features:

- It contains the basic items required by PLC digital I/O training, such as the FBs-24MCT advanced main unit, the FBs-CM25E Ethernet module, digital input socket, simulated switches, and digital output socket.
- The built-in RS232, RS485 and the Ethernet three ports (can be expanded to five with communication boards) not only enable the teacher's computer to connect with the training kits of all students to conduct networking on-line teaching such as loading, monitoring, modifying, and storing, but also can be used in advanced course such as computer connection, intelligent ASCII peripherals as well.
- A special designed software "WinProladder teaching assistant" can let instructor download or upload ladder program to or from the PLC of the whole class or individual through computer.
- PLC output is isolated by the Relay with socket and fuse and then output to terminal. These isolations can prevent PLC from damaging caused by incorrect wiring and easy for repair and replacement.

