# Fatek Training Box



## Fatek Training Box FBs-TBOX

46cm x 32 cm x 16cm suitcase, containing FBs-24MCT main unit. FBs-CM25E communication module (RS232 + RS485 + Ethernet network), 14 simulated input switches, 10 external relay output, Doctor terminal outlet I/O, peripherals such as stepping motor, encoder, 7-segment display, 10 of 10mm LED indicator, thumbwheel switch, and 16 key keyboard.

| Specification | | 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) | |