XK-PLC6 programmable controller training sets

• Products overview:

project	content
product structure:	modular desktop structure, hanging box replacement convenient, easy to organize various training project, expand and upgrade are convenient.
main parameters:	size 1700 mm x 700 mm x 1500 mm; The power supply: the three-phase AC380V, power < 500 VA.weight:120kg
main components:	training platform, power control panel, PLC unit, simulation load unit (2 units), stainless steel net board, electrical components, three-phase asynchronous motor, computer (optional- not contain) etc. (PLC can choose Siemens, mitsubishi, schneider, omron, AB and other brands of products)
main functions:	can finish PLC commony used programming instructions learning and training, PLC typical application project training, PLC control car linea motion project training, PLC control three-phase asynchronous motor running project training, PLC control three-phase asynchronous motor running project training. Have a safety protection function.
annex:	experimental jump line, commonly used tools, software disc, the product specification.

Training Projects:

- PLC basic instruction practice training

- PLC basic instruction practice training
 PLC project training
 PLC project training
 Beacon lights twinkle circle
 Eight-bit code display to show numbers
 Automatic mail sorting
 Automatic cistern water level control
 Tool Choice control of machining center
 Automatic immixture of multi kinds of liquid control



- 7) Automatic mo(u)lding machine
 8) Automatic assembly line control
 9) Automatic rolling mill control
 10)Traffic lights control
 11) Manipulator motion control
 12)Automatic material transport and beladung f control
 13) PLC control of motor running/stopping
 14) PLC control of motor jogging selflocking
 15) PLC control of motor forward/reversao rotation
 16) PLC control of motor Y-□ start.
 17) PLC control of step motor

XK-PLC8 programmable controller training sets

Products overview:

project	content
product structure:	adopt modular desktop structure, hanging box replacement convenient, easy to organize various training project, expand and upgrade are convenient.
main parameters:	size 1700 mm x 700 mm x 1500 mm; The power supply: single phase AC220V, power < 500 VA.
main components:	training platform, power control panel, PLC unit, simulation load unit (2 units), computer (optional) composition.(PLC can choose Siemens, mitsubishi, schneider, omron, AB and other brands of products)
main functions:	can finish PLC commonly used programming instructions learning and training, PLC typical application project training. Have a safety protection function.
annex:	experimental jump line, commonly used tools, software disc, the product specification.



- 1) PLC basic instruction practice training
 2) Beacon lights twinkle circle
 3) Eight-bit code display to show numbers
 4) Automatic mail sorting control
 5) Automatic mill rolling control
 6) Automatic cistern water level control
 7) Automatic immisture of multi kinds of liquid control
 8) Automatic imo(u)lding machine
 9) Traffic lights control
 10) Manipulator motion control
 11) Automatic assembly line control
 12) Tool Choice control of machining center
 13) Automatic material transport and beladung f control

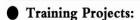




XK-DQZN4 industrial automation integrated training sets

Products overview:

project	content
product structure:	adopt modular desktop structure, hanging box replacement convenient, easy to organize various training project, expand the upgrade is convenient.
main parameters:	size 1700 mm x 700 mm x 1500 mm; The power supply: the three-phase AC380V, power < 500 VA. weight:120kg
main components:	training platform, power control panel, PLC unit, frequency converter unit, touch screen unit, simulation load unit (2 units), stainless steel training net board, electrical components, three-phase asynchronous motor, etc. PLC can choose Stemens, mitsubishi, schneider, omron, AB and other brands of products)
main functions:	can finish PLC commonly used programming instructions learning and training, PLC typical application project training, frequency converter application training, touch screen application training, PLC and frequency inverter comprehensive application training, PLC and touch screen comprehensive application training, PLC, frequency converter and touch screen comprehensive application training. PLC and training. PLC and touch screen comprehensive application training. PLC and touch screen comprehensive application training. PLC and touch screen comprehensive application training.
annex:	experimental jump line, commonly used tools, software disc, the product specification.



- PLC project training
 PLC basic instruction practice training
 Beacon lights twinkle circle
 Beacon lights twinkle circle
 Beight-bit code (LED) display to show numbers
 Automatic mail sorting control
 Automatic rolling mill control

- Automatic rolling mill control
 Automatic cistern water level control
 Automatic immixture of multi kinds of liquid control
 Automatic mo(u)lding machine
 Traffic lights control
 Manipulator action control

- 11) Automatic assembly line control
 12) Tool Choice control of machining center
 13) Automatic material transport and beladung f control



- 2. Typical motor control practice training project
 1) PLC control of motor running/stopping.
 2) PLC control of motor jogging and self-locking.
 3) PLC control of motor forward/reversal rotation.
 4) PLC control of motor Y□ start.
 3. Frequency converter practice training
 1) Converter controlled by operation panel.
 2) logging yn experiging.

- 1) Converter controlled by operation panel.
 2) Jogging run experiment
 3) Running controlled based on outer potentiometer
 4) Running controlled by outer voltage.
 5) Analog export detection experiment.
 6) Digital export detection experiment.
 7) Multi-step speed control experiment.
 8) PLC control of running experiment.
 4. Touch screen practice training
 1) Acquaintage and software programming

- Acquaintance and software programming.
 Comprehensive practice with PLC
 Comprehensive practice with PLC and frequency converter.

XK-DQZN6 industrial automation integrated training sets

Products overview:

project	content
product structure:	adopt modular desktop structure, hanging box replacement convenient, easy to organize various training project, expand and upgrade are convenient.
main parameters:	size 1700 mm x 700 mm x 1500 mm; The power supply: the three-phase AC380V, power < 500 VA.weight: 120kg
main composition:	training platform, power control panel, PLC unit, inveter unit, touch screen unit, simulation load unit (2 units), linear motion control unit, two pump frequency constant pressure water supply training model, stainless steel net board, electrical components, three-phase asynchronous motor, computer (optional) etc. (PLC can choose Siemens, mitsubishi, schneider, omron, AB and other brands of products)
main functions:	can finish PLC commonly used programming instructions learning and training. PLC typical application project training, incuted application training. PLC and training the screen application training. PLC and touch screen comprehensive application training. PLC and touch screen comprehensive application training. PLC and touch screen comprehensive application training. PLC control linear motion training. PLC, tinveter, touch screen control double pump conversi on constant pressure water supply training. Have a safety protection function.
annex:	experimental jump line, commonly used tools, software disc, the product specification.

- 1. PLC project training
 1) PLC basic instruction practice training
 2) Beacon lights twinkle circle
 3) Eight-bit code (LED) display to show numbers
 4) Automatic mail sorting
 5) Automatic rolling mill control
 6) Automatic cistern water level control
 7) Automatic immixture of multi kinds of liquid control
 8) Automatic multilling machine
- 8) Automatic mo(u)lding machine 9) Traffic lights control 10)Manipulator action control

- 11) Automatic assembly line control
 12) Tool Choice control of machining center
 13) Automatic material transport and beladung f control



- Proximity switch, photoelectric sensor, and Hall Switch acquaintance and practice (real objects)
 Direction control when linear motion dolly moves

- 15) Direction control when linear motion dolly moves between five places. (real objects)
 16) Material automatic supply dolly circularly moves between three places. (real objects)
 17) Frequency conversion constant pressure water supply project controlled by two pumps. (real objects)
 2. Typical motor control practice training project
 1) PLC control of motor running/stopping.
 2) PLC control of motor jogging and self-locking.
 3) PLC control of motor forward/reversal rotation.
 4) PLC control of motor Y-□ start.
 3. Frequency converter practice training

- 4) PLC control of motor Y-□ start.

 3. Frequency converter practice training
 1) Converter controlled by operation panel.
 2) Jogging run experiment
 3) Running controlled based on outer potentiometer
 4) Running controlled by outer voltage.
 5) Analog export detection experiment.
 6) Digital export detection experiment.
 7) Multi-step speed control experiment.
 8) PLC control of running experiment.
 4. Touch screen practice training
 1) Acquaintance and software programming.
 2) Comprehensive practice with PLC
 3) Comprehensive practice with PLC and frequency converter.

XK-PLCSX programmable controller training sets

Products overview:

project	content
product structure:	adopt modular desktop structure, hanging box replacement convenient, easy to organize various training project, expand and upgrade are convenient.
main parameters:	size 1700 mm x 700 mm x 1500 mm; The power supply: single phase AC220V, power < 500 VA. weight:150kg
main components:	training platform, power control panel, PLC hanging box, PLC physical model hanging box (state instructions and termis game experiment hanging box, traffic lights, light of high tower, dial the code salverial digital pipe experiment hanging box, multistage belt conveyor, material sorting experiment, mixing material can hang box, linear motion model control experiment hanging box, robot control experiment hanging box, to linear motion of the players elevator control experiments hanging box, total 7), computer (optional) composition (PLC can choose Siemens, mitsubishi, schneider, omron, AB and other brands of products)
main functions:	can finish PLC commony usedl programming instructions learning and training, PLC typical application project training Have a safety protection function.
annex:	experimental jump line, commonly used tools, software disc, the product specification.

Training Projects:

- Training Projects:

 1. XK-JP-1 status instruction and table-tennis match experiment hung box
 1) state of instruction practice experiments
 2) simulation of table tennis
 2) simulation of table tennis
 3) simulation of table tennis
 4) traffic lights to control experiments
 1) traffic lights to control experiments
 2) Tower optical experiments
 3) DP disk digital tube experiments
 3) DP disk digital tube experiments
 3) DP disk digital tube experiments
 3) In multi-stage conveyor belt, material sorting experiments hanging box
 1) multi-stage belt control experiments
 2) material sorting experiments
 2) material sorting experiments
 2) material sorting experiments
 3) MK-JP-5 linear motion model control experiments hanging box
 1) DC motor control experiment experiments
 5. XK-JP-5 linear motion model control experiments hanging box
 Model to do manual, automatic, single-step, multi-step, integrated a number of experiments built-step, integrated a number of experiments to practice high-speed counter, timing counter usage, familiar with the four arithmetic instructions, send instructions, high-speed counter instructions, send instructions, send instructions was end instructions to high speed counter instructions.

 7. XK-JP-3 four-story elevator control experiments hanging box Two car lift and the elevator door switch control, and can be



- combined to experiment.

 9. XK-JP-9 rotary motion control experiments hanging box
 This experimental area will be to develop a number of experiments
 of the switch, analog, pulse, enabling the students to a more
 comprehensive understanding and knowledge of the similarities and
 differences of the signal and its control method, PLC programming
 and parameter setting.

 10. XK-JP-10 generator motor group, temperature control
 experiments hanging box
 Janalog closed-loop control experiment.

 2) nanlog PID control experiment, the interference experiment.

 11.XK-JP-11 level control experiments hanging box
 This experimental box can switch, analog, pulse volume, the number
 of experiments. Experimental content and actual production in close
 contact, so that students can more deeply understand and master PLC
 programming, debugging techniques, parameter settings, and analog
 measuring, regulating and PID control method.

 12. XK-JP-13 six-model experiments hanging box A
 Can be achieved from the basic logic instructions to the instruction of
 a variety of applications programming, the experiment is rich in content,
 suitable from entry to Proficient in the different stages of experiment.

 13. XK-JP-14 six model experiment hung Box B
 Can be achieved from the basic logic instructions to the instruction of
 a variety of applications programming, including the switch, pulse,
 analog, suitable from entry-versed in the different stages of experiment.

 14. XK-JP-15 six model experiments hanging box C

 1) Motion control experiment

 2) mixing tank experiments

 3) the material conveying line experiment

 4) Tower optical experiments

 5) stepper motor control experiment

 10. Yak-JP-16 five-factor model experiments hanging box A

 Switch, analog, pulse volume, the number of experiments. Experimental

 10. Yak-JP-16 five-factor model experiments hanging box a

 Switch, analog, guise relation in close contact, so that students can more
 deeply understand and master PLC programming, debugging techniques,
 parameter settings, and analog measuring, regula

XK-GCZD2 industrial automation training cabinet (virtual load)

Products overview:

project	content
product structure:	adopt nets board type training cabinet structure, easy to organize various training programs.
main parameters:	size 700 mm x 1800 mm x 450 mm; The power supply: the three-phase AC380V, power $<$ 500 VA.weight:70kg
main components:	training cabinet, nets orifice plate, power control panel, PLC, inveter, electrical components, three-phase asynchronous motor, computer (optional) etc.(PLC can choose Siemens, mitsubishi, schneider, omron AB and other brands of products)
main functions:	can finish PLC commony usedl programming instructions learning and training, frequency converter application training, typical motor control training, typical lighting distribution electricity training, typical machine circuit training, typical relay, tonated device control PLC reconstruction project. Have a safety protection function.
annex:	experimental jump line, commonly used tools, software disc, the product specification.



- 1. PLC basic instruction training
- inverter training
- 1) The operation panel to control the inverter to run experiments
- 2) Inverter Jog run the experiment
 3) based on external potentiometer to control the inverter running the experiment
- the experiment
 4) based on an external voltage control of inverter operation experiment
 5) drive analog output detection experiments
 6) The inverter switch output detection experiments

- 7) inverter speed control experiment 8) PLC to control the inverter to run experiments
- 3. a typical motor control training project
 1) PLC control motor start and stop the project
 2) PLC control motor jog, and self-locking project
 3) PLC control motor reversing project
 4) PLC control motor star delta start-up projects

- 5) PLC to control the motor to reverse braking project 4. a typical lighting distribution training
- 5. a typical machine tool line training
 6. a typical relay contactor control PLC reconstruction project

XK-JB2 PLC experiment box

Products overview:

project	content
product structure:	experiment box structure.
main parameters:	size 500 mm x 340 mm x 160 mm; The power supply: single-phase AC220V, power < 150 VA. weight:20kg
main components:	experiment box, PLC, DC24V power supply, series simulation load constitutes.
main functions:	can finish PLC commonly used programming instructions learning and training, PLC typical application project training.
annex:	experimental jump line, software disc, the product specification

Training Projects:

- 1. the basic instruction programming exercises
- assembly line control
 five-phase stepping motor analog control
 the water tower water level control



- liquid mixing device control
 automatic rolling simulation
 LED Digital Display Control
 crossroads traffic lights to control
 the simulation training
 the optical analog of the fireworks

XK-KDF1 PLC control virtual load experiment box

Products overview:

project	content
product structure:	experiment box structure.
main parameters:	size 420 mm x 300 mm x 120 mm; The power supply: single phase AC220V, power < 150 VA.weight:20kg
main composition:	experiment box, PLC core unit (integrated 24 road DC24V switching input, 1 for ad relay type switching output, 1 road high speed pulse input, 1 road high speed pulse output, 2 road analog inputs and 1 road analog output, have RS-232 and RS-485 communication interface support ladder diagram and statement table programming), DC24V power supply, virtual load interface unit and virtual load software, series simulation load (traffic lights, seven segment digital display tube, automatic feed and loading, water tower water level automatic control, machining center tools selection, the light of sky Tower, assembly line) to form.
main functions:	can direct-viewing understand the basic composition of PLC (the central processor, memory, switch input interface, switch output interface, the communication interface and power supply, etc), Mitsubishi PX series PLC and Siemens SY-200 PLC series (commonly used programming instructions learning and training, PLC typical application project training (including simulation load and virtual load).
annex:	experimental jump line, software disc, the product specification



- intuitive understanding of the PLC components: the central processing unit (CPU), memory, digital input interface, the switch output interface, communication interface and power supply and so on.
 learning the PLC ladder programming
 Mitsubishi FX series PLC instruction learning and training Boolean interpretations.
- instructions

- 3. Mitsubishi FX series PLC instruction learning and training Boolean instructions

 1) Learning and Training
 2) the timing instruction learning and training
 3) count the instruction of learning and training
 4) transfer instruction, learning and training
 5) shift the instruction of learning and training
 6) Learning and training of the arithmetic instruction
 7) Learning and training of the logic instructions
 8) Learning and training of the logic instructions
 9) analog inputs / outputs of learning and training
 4) Learning and training, Siemens S7-200 series PLC instruction boolean instructions
 1) Learning and Training
 2) the timing instruction learning and training
 4) transfer instruction of learning and training
 5) shift the instruction of learning and training
 6) Learning and training of the arithmetic instruction
 7) Learning and training of the logic instructions
 8) Learning and training of the logic instructions
 9) analog inputs / outputs of learning and training
 1) traffic lights
 2) eight out digital display

- traffic lights
 eight out digital display
 automatic feed loading
 water tower water level control
 tool selection for machining centers
 days, the tower light
 the assembly line

- 6. the virtual load-project training1) a variety of liquid mixed2) Press
- vending machine the assembly line
- mail sorting days, the tower light traffic lights

- 7) traffic lights
 8) Responder
 9) plating production line
 10) automatic feed loading
 11) car transport materials
 12) Automatic washing machine
 13) three-phase asynchronous generator
 14) automatic molding machine
 15) three-phase asynchronous motor star delta starter



XK-PLCS1 PLC TRAINING SET

Products overview	The PLC of this equipment adopts Siemens S7-200 PLC. In addition, it install relay, button, indicator light, function signal generator, DC10V and DC24V power, can complete various PLC experiment
main parameters	1.The Power supply: AC220V 50Hz 2.Machine capacity: 2:200W 3.Work environment: Temperature -10℃~+40℃ Relative humidity <85%(25℃) 4.Outer size: 400mm *250mm *120mm ;weght.8kg 5.PLC: CPU224XP CN DCD/CD/C, integrate 14 way Digital input, 10 way transistor type output, 2 way Analogue input&, 1 way simulation output 6.DC10V power supply: 4.Capacity 10.5A 7.DC24V power output: (2apacity 1A 8.Multiturn potentioneter: 10K 9.Relay: DC24V coil, contacts capacity 24VDC 1A, 220VAC 1A, 10 pieces 10.Duton: 8.8 eff locking type, 6.8ef recovery type
main functions:	can finish PLC commonly used programming instructions learning and training, PLC typical application project training. For example:



■ XK-AUT1005A PLC module experiential Chamber

project	content
product Overview:	The device selected SK2168 PLC, with 32 general-purpose I / O and 4:00 high-speed I / O leads through K4mm jack can use the programming of the instruction list, ladder diagram and SFC in three ways. Suitable for students of learning and training of PLC technology.
	☐ The power supply: AC220V ± 10%, 50HZ, ≤ 100W ☐ size: 400mm × 250mm × 120mm (L * W * H) ☐ Weight: <2KG
main components:	SK2168 PLC: Native I / 0: 18 Channel 24VDC Input / 2-channel transistor output / 16-channel relay output; High-speed counters: single-phase counter:2-channel, 100KHz; High-speed output: 2-channel, 20KHz
main functions:	□ PLC hardware to learn. □ PLC programming software to learn. □ PLC programming training.
annex:	experimental jump line, commonly used tools, software disc, the product specification.



- Boolean instruction learning and training
 timing instruction learning and training
 count instruction learning and training
 transfer instruction learning and training
 shift instruction learning and training
 arithmetic operation instruction of learning and training
 high speed pulse input instruction learning and training
 high speed pulse output instruction learning and training
 high speed pulse output instruction learning and training