# Very well prepared, easily comprehensible, practical
## PLC Trainer AC500 for study and training purposes



# Training in PLC programming languages as per IEC61131 – with AC500 from ABB

## Entertaining and intuitive training in PLC programming based on CoDeSys

The examples included are highly practical and cover topics such as building automation, hot water heating using solar panels, monitoring parking spaces, automating wind turbines and controlling gates by means of IR remote control. Plug-on modules allow realistic additions for solar tracking, traffic light control and motor control.

## Time-saving preparation for teaching

Pre-prepared learning cards can be used by simply fitting them in place and ready-to-use teachware can be imported. The result is interesting and fascinating teaching that doesn't require much preparation.
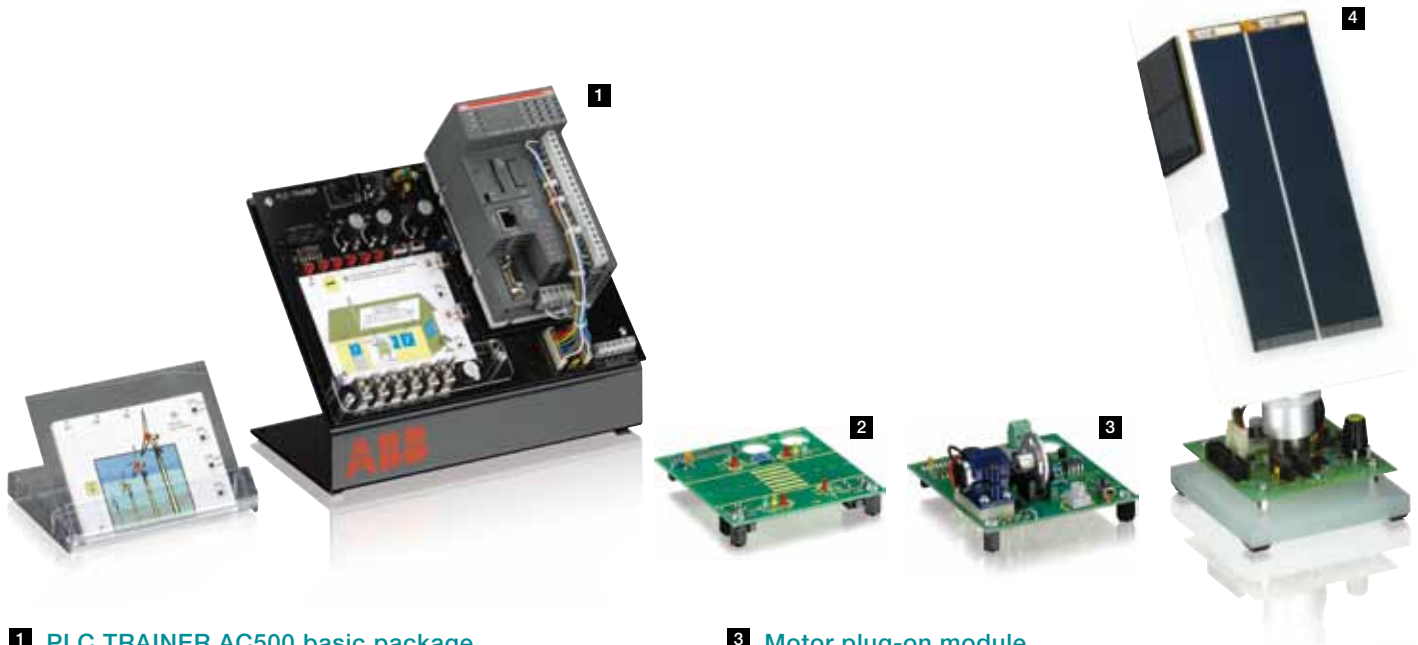
## Target groups

The training is designed especially for students studying electrical engineering or automation. Examples cover topics ranking from the basics of logical programming through to Ethernet communication and visualization with an integrated web server.

## Everything included

The PLC Trainer contains everything needed for a perfect lesson. Including a programming package based on CoDeSys for programming the entire AC500 range, from the compact AC500-eCo CPU with integrated I/Os, web server and Ethernet connection right through to the powerful AC500 CPU.

Details and an online order form are available at: www.ikhds.com/abb

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**1** **PLC TRAINER AC500 basic package**

Scope of delivery:

– 1 PLC Trainer ABB AC500 with AC500-eCo CPU
  and stable aluminium frame
– 1 AC adapter, 230V AC/24V DC
– 1 IR remote control (without batteries)
– 45 learning cards, 110x81 mm, laminated, in transparent box
– 1 USB stick with complete programming software and 45
  practical exercises and solutions in IEC61131
  (based on CoDeSys)
– Programming cable

**2** **Traffic Light plug-on module**

Scope of delivery:

– 1 Traffic Light module
– 1 teachware unit with practical example of a traffic light for
  pedestrians and cars.

**3** **Motor plug-on module**

Scope of delivery:

– 1 Motor Control module
– 1 teachware unit with 8 practical examples:
    – Inching/continuous operation of a motor
    – Reversing contactor circuit with direct switching
    – Reversing contactor circuit with switching via off
    – Control of a reverse drive
    – Mixer with 2 speeds (analog output)
    – Surface grinding machine
    – Reversing a motor
    – Rotation detection of a low-speed shaft

**4** **Solar Tracking module**

Scope of delivery:

– 1 Solar Model
– 1 connection cable for PLC Trainer AC500
– 1 teachware unit with example of solar tracking

These training packages are built in cooperation with IKH Didactic Systems. For more information please visit www.ikhds.com/abb

# Contact us

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