

Item no.: 384025

AKX00051-CAMPSTORE - PLC starter kit (CAMPSTORE)

from **468,62 EUR**

Item no.: 384025
shipping weight: 1.00 kg
Manufacturer: Arduino



Product Description

Arduino PLC Starter Kit Step into the future of industrial automation with the PLC Starter Kit, designed to bridge the gap between theory and practice, bridge the gap in current PLC education and prepare students for the challenges of the real world. Overview Programmable Logic Controller (PLC) technology is essential for industrial automation, but there are still gaps between current PLC education and industry. To train a robust workforce for industry, Arduino introduces a special education package - the Arduino PLC Starter Kit. With this package, you get more than 20 hours of instruction with the Explore PLC course. Your students can learn about programmable logic controllers, Modbus RS-485 communication and integration with simulated industrial systems, among other things. It also supports five PLC programming languages, which means you can easily program the kit using the Arduino PLC IDE. This user-friendly environment simplifies PLC programming for both you and your students. Choose one of the five programming languages defined in the IEC 61131-3 standard (Ladder, Functional Block Diagram, Structured Text, Sequential Function Chart or Instruction List) to quickly program PLC applications or port existing applications to the Arduino Opta. In addition, the Arduino Opta WiFi can be programmed and integrated into an industrial automation system using our powerful IDE 2. The Arduino IDE 2 is a huge improvement on our classic IDE, with increased performance, improved user interface and many new features, such as auto-completion, a built-in debugger and synchronisation of sketches with the cloud. Cloud-ready hardware The PLC Starter Kit integrates seamlessly with Arduino Cloud Services for IoT projects, enabling remote control capabilities for both classroom and real-world scenarios. This is our easiest and low-code way to get started with connected projects. All the hardware that comes with the kit is also fully documented on our Arduino Docs page, where hundreds of tutorials, datasheets, guides and technical documentation are published. Key benefits include:- Professional industrial automation with reliability and performance for complex projects- Learning content that aligns with the industrial automation curriculum - Programming that is simple, accessible and efficient- Dive straight into practical applications with Arduino's signature ease of use, flexibility and extensive software library Course: Explore PLC With 20 hours of projects and many more tutorials, you'll have everything you need to teach programmable logic controllers in your classroom. Projects include getting started, an introduction to the software, the history of PLCs, communication protocols, learning digital input simulators, networking and counting - all through an easy-to-use portal connected to the Arduino Cloud. Free Course: Explore PLC Need help? Visit the Arduino Forum to ask questions about the Arduino language or learn how to create your own projects with Arduino. You can also learn more about the Arduino Cloud for schools here. If you need help with your product, please contact the official Arduino user support as described on our contact page.

Specifications

Scan this QR code to
view the product
All details, up-to-date
prices and availability

