

Item no.: 384024

AKX00051 - PLC Starter Kit

from **468,77 EUR**

Item no.: 384024
shipping weight: 0.80 kg
Manufacturer: Arduino



Product Description

Overview Programmable Logic Controller (PLC) technology is vital for industrial automation, but gaps still exist between current PLC education and industry. To cultivate a robust industrial workforce, Arduino introduces a dedicated educational kit - Arduino PLC Starter Kit. With this kit, you get 20+ hours of lessons with the Explore PLC course. Your students can learn about Programmable Logic Controllers, Modbus RS-485 communications, and integration with industrial simulated systems, among other comprehensive topics. There's also support for five PLC programming languages, which means you can program the kit effortlessly using the Arduino PLC IDE. This user-friendly environment simplifies PLC programming for both you and your students. Choose from any of the five programming languages defined by the IEC 61131-3 standard (Ladder, Functional Block Diagram, Structured Text, Sequential Function Chart, or Instruction List) to swiftly code PLC applications or port existing ones to Arduino Opta. Additionally, the Arduino Opta WiFi can be programmed and integrated into an industrial automation system with 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 autocompletion, a built-in debugger and syncing sketches with Cloud. Cloud-ready hardware The PLC Starter Kit integrates seamlessly with Arduino Cloud services for IoT projects, enabling remote control functionalities for both classroom and real-world scenarios. This is our simplest and low-code way to get started with connected projects. All hardware provided with the kit is also fully documented in our Arduino Docs page, where hundreds of tutorials, datasheets, guides and technical documentation are published. Key benefits include: Pro industrial automation with reliability and power for complex projects Learning content that aligns with the industrial automation curriculum Programming that is easy, approachable, and efficient Dive straight into practical applications with Arduino's signature ease-of-use, flexibility, and a vast library of software Course: Explore PLC With 20 hours of projects and many more tutorials, you have everything you need to teach programmable logic control in your classroom. Projects include getting started, an introduction to the software, PLC history, communication protocols, digital input simulator learning, networks, and counting - all accessed through one easy-to-use portal connected to the Arduino Cloud.

Specifications

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

