Item no.: 383822

ARDUINO STARTER KIT

82,98 **EUR**

Item no.: 383822
shipping weight: 0.80 kg
Manufacturer: Arduino

📄 Product Description

Quickly and easily get started with learning electronics using the Arduino Starter Kit, which have a universal appeal to STEM fans at home, businesses in STEAM industries, and schools alike. No prior experience is required, as the kits introduce both coding and electronics through fun, engaging, and hands-on projects. You can use the starter kit to teach students about current, voltage, and digital logic as well as the fundamentals of programming. There's an introduction to sensors and actuators and how to understand both digital and analog signals. Within all this, you'll be teaching students how to think critically, learn collaboratively, and solve problems.Projects you can make:01 GET TO KNOW YOUR TOOLS an introduction to the basics02 SPACESHIP INTERFACE design the control panel for your starship03 LOVE-O-METER measure how hot-blooded you are04 COLOR MIXING LAMP produce any color with a lamp that uses light as an input05 MOOD CUE clue people in to how you're doing06 LIGHT THEREMIN create a musical instrument you play by waving your hands07 KEYBOARD INSTRUMENT play music and make some noise with this keyboard08 DIGITAL HOURGLASS a light-up hourglass that can stop you from working too much09 MOTORIZED PINWHEEL a colored wheel that will make your head spin10 ZOETROPE create a mechanical animation you can play forward or reverse11 CRYSTAL BALL a mystical tour to answer all your tough questions12 KNOCK LOCK tap out the secret code to open the door13 TOUCHY-FEEL LAMP a lamp that responds to your touch14 TWEAK THE ARDUINO LOGO control your personal computer from your Arduino15 HACKING BUTTONS create a master control for all your devices!Once you've mastered this knowledge, you'll have a palette of software and circuits that you can use to create something beautiful, and make someone smile with what you invent. Then build it, hack it and share it. You can find the Arduino code for all these projects within the Arduino IDE, click on File / Examples / 10.StarterKit.Have a look at these video tutorials for a project by project walk-through.Get started with electronics quickly and easily - no prior experience required. Available versions: Deutsch (DE), English (EN), Español (ES), Français (FR), Italiano (IT), ?? (CN), ?? (KO) ???? (ARA)

The Starter Kit includes- 1 Projects Book (170 pages),- 1 Arduino Uno,- 1 USB cable,- 1 Breadboard 400 points,- 70 Solid core jumper wires,- 1 Easy-to-assemble wooden base,- 1 9v battery snap,- 1 Stranded jumper wires (black),- 1 Stranded jumper wires (red),- 6 Phototransistor,- 3 Potentiometer 10kOhms, - 10 Pushbuttons,- 1 Temperature sensor [TMP36],- 1 Tilt sensor,- 1 alphanumeric LCD (16x2 characters),- 1 LED (bright white),- 1 LED (RGB),- 8 LEDs (red),- 8 LEDs (green),- - 8 LEDs (yellow),- 3 LEDs (blue),- 1 Small DC motor 6/9V,- 1 Small servo motor,- 1 Piezo capsule [PKM22EPP-40],- 1 H-bridge motor driver [L293D],- 1 Optocouplers [4N35],- 2 Mosfet transistors [IRF520],- 3 Capacitors 100uF,- 5 Diodes [1N4007],- 3 Transparent gels (red, green, blue),- 1 Male pins strip (40x1),- 20 Resistors 220 Ohms,- 5 Resistors 560 Ohms,- 5 Resistors 1 kOhms,- 5 Resistors 4.7 kOhms,- 20 Resistors 10 kOhms,- 5 Resistors 1 MOhms,- 5 Resistors 10 MOhms

📄 Specifications

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prices and availability