



Artikel-Nr.: SPKF-12060

Garantie(Jahre): 2

Hersteller: Spark Fun Electronics

SparkFun's Inventor Kit for Arduino

CHF 123.62 * % CHF 160.39 * (22.93 %)

inkl. MwSt. [zzgl. Versandkosten](#)

In der Regel an Lager, Lieferzeit ca. 1-3 Werktage



Produktinformationen "SparkFun's Inventor Kit for Arduino"

The SparkFun Inventor's Kit (SIK) is a great way to get started with programming and hardware interaction with the Arduino programming language. The SIK includes everything you need to complete 16 circuits that will teach you how to read sensors, display information on an LCD, drive motors, and more. You don't need any previous programming or electronics experience to use this kit.

The full-color SIK Guidebook (included) contains step by step instructions of how to connect each circuit with the included parts. Full example code is provided and explained and even includes troubleshooting tips if something goes wrong.

The kit does not require any soldering and is recommended for beginners ages 10 and up. Version 3.2 of the kit adds a new Simon Says circuit experiment with all the LEDs and tactile buttons you will need to complete it, and a new full-color guidebook.

Circuit Examples:

- Circuit 1: Blinking an LED
- Circuit 2: Reading a Potentiometer
- Circuit 3: Driving an RGB LED
- Circuit 4: Driving Multiple LEDs
- Circuit 5: Push Buttons
- Circuit 6: Reading a Photo Resistor
- Circuit 7: Reading a Temperature Sensor
- Circuit 8: Driving a Servo Motor
- Circuit 9: Using a Flex Sensor
- Circuit 10: Reading a Soft Potentiometer
- Circuit 11: Using a Buzzer
- Circuit 12: Driving a Motor
- Circuit 13: Using Relays
- Circuit 14: Using a Shift Register
- Circuit 15: Using an LCD
- Circuit 16: Simon Says

Kit Includes:

- [SparkFun RedBoard](#)
- Arduino and Breadboard Holder
- SparkFun Inventor's Kit Guidebook
- White Solderless Breadboard
- Carrying Case
- SparkFun Mini Screwdriver
- 16x2 White on Black LCD (with headers)
- 74HC595 Shift Register
- 2N2222 Transistors
- 1N4148 Diodes
- DC Motor with Gear
- Small Servo
- SPDT 5V Relay
- TMP36 Temp Sensor
- Flex sensor
- Softpot
- 6' SparkFun USB Cable
- Jumper Wires
- Photocell
- Tri-color LED
- Red, Blue, Yellow, and Green LEDs
- Red, Blue, Yellow, and Green Tactile Buttons
- 10K Trimpot
- Piezo Speaker
- 330 and 10K Resistors

Documents:

- [SIK Guide](#)
- [Online Experiment Guide](#)
- [SIK Teaching Curriculum](#)
- [SIK Code Library](#)
- [Dimensional Drawing](#) (Carrying Case)
- [SIK V3.2 Wish List](#)

Bildungsstufe: Tertiäre Bildung

DataLogger Schnittstellen: Arduino

Fach: Physik, Robotik/Mikrokontroller

Sprache: English

Betriebssystem: Win

Weiterführende Links zu "SparkFun's Inventor Kit for Arduino"

- [- Fragen zum Artikel?](#)
- [- Weitere Artikel von Spark Fun Electronics](#)

Mehr Bilder zu "SparkFun's Inventor Kit for Arduino"

