Kitronik 5342 Inventors Kit for the Raspberry Pi Pico Instructions

Contents

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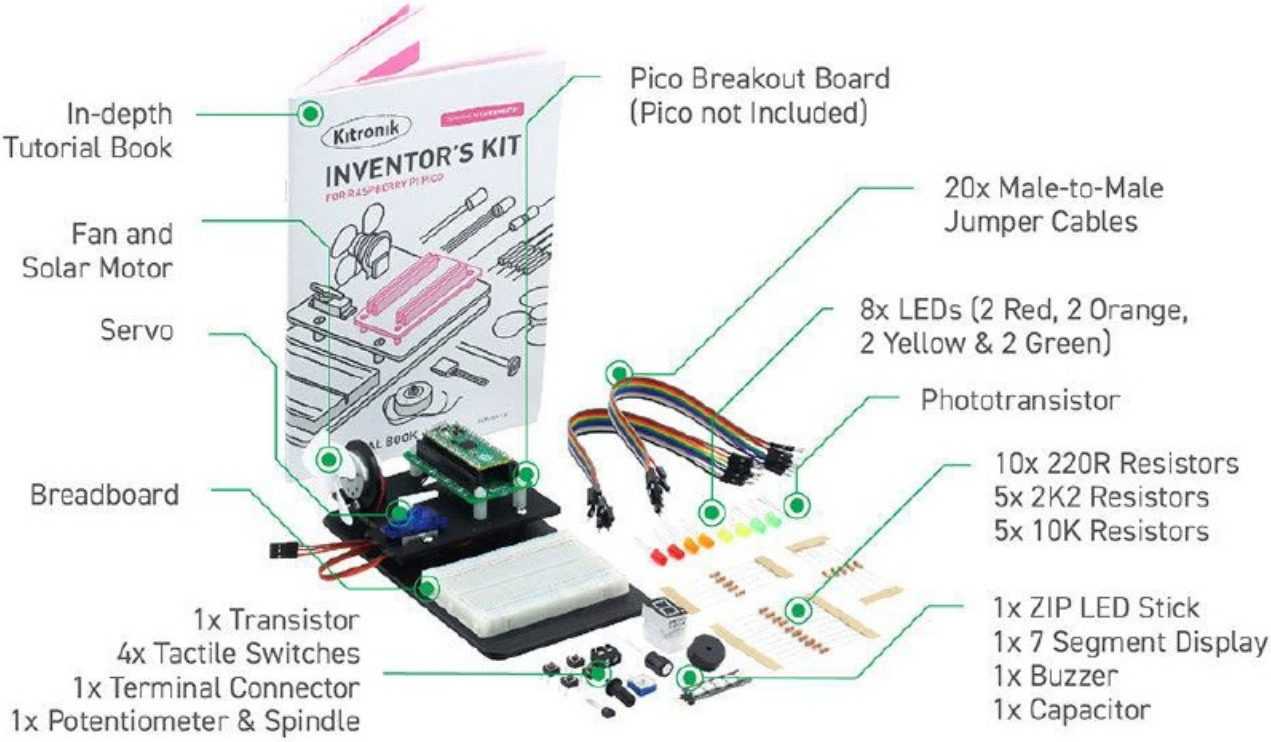
Kitronik Inventor's Kit for the Raspberry Pi Pico

- The Kitronik Inventor's Kit for the Raspberry Pi Pico offers the perfect introduction to physical computing with the Pico.
- This Inventor's Kit contains everything you need to complete 10 exciting experiments and the included booklet walks you through every step of each. Note: The Pico is not supplied with this kit. The possibilities for the kit are endless and the booklet is intended to get you off to a flying start. Before moving on to the experiments, it introduces you to the Raspberry Pi Pico and guides you in getting it ready for use. There is also an introduction to coding, how to run Python code on the Pico, guidance on using Breadboards, and also a detailed assembly guide for the kit. Each experiment is then explained in full in a clear and concise manner. The full-colour booklet details the parts you need, the code used, a breadboard wiring diagram, a circuit diagram, and a full description of what is happening and why.
- The 10 experiments start simple and get more difficult as you progress through them.
- This kit is built around our Inventor's prototyping system. It comprises an injection moulded base plate, onto which the breadboard is affixed, and the included laser cut plate is mounted. The laser-cut plate has mounting points for the included motor, servo, and Pinout board for Raspberry Pi Pico. There are also more than 60 components and connectors in the kit, such as; LEDs, switches, motors, transistors, resistors, and more! Please see the contents section below for a full list.

Note

- There is no soldering required for this kit.
- The kit does involve some mechanical assembly.

- The Pico is not supplied with this kit.



Features

- The Kitronik Inventor's Kit for the Raspberry Pi Pico provides a fantastic way of learning how to construct and control electronic circuits with the Pico and MicroPython.
- No soldering is required, build your first circuit in minutes.
- Work through the 10 included experiments, following the detailed full-colour guide booklet.
- The kit includes the Kitronik Inventors prototyping system, also found in the Inventor's Kit for micro:bit and Inventors Kit for Arduino.

Contents

- 1 x Full-colour instruction booklet.
- 1 x Kitronik injection moulded Inventor's prototyping mounting plate.
- 1 x Laser cut Pico mounting plate and fixings.
- 1 x Pico Pin Breakout Board.
- 1 x Kitronik 5 LED ZIP stick with pins.
- 1 x Mini 180 Degree Resin Gear Servo SG90.
- 1 x 7 segment display.
- 4 x Push switch.
- 2 x Red 5mm LED.
- 2 x Green 5mm LED.
- 2 x Yellow 5mm LED.
- 2 x Orange 5mm LED.
- 10 x 220Ω resistor.
- 5 x 2.2kΩ resistor.

- 5 x 10kΩ resistor.
- 1 x 3mm Phototransistor.
- 1 x Transistor (NPN BC337).
- 1 x Fan blade.
- 1 x Motor.
- 1 x Piezo element buzzer.
- 20 x MM jumper wires.
- 1 x 470uF electrolytic capacitor.
- 1 x Terminal connector.
- 1 x Potentiometer & finger adjust spindle.

FAQ

- **Q: Is the Raspberry Pi Pico included in the kit?**
  A: No, the Raspberry Pi Pico is not supplied with this kit. You will need to purchase it separately.
- **Q: What components are included in the kit?**
  A: The kit includes more than 60 components and connectors such as LEDs, switches, motors, transistors, resistors, and more. Refer to the contents section in the booklet for a full list ofitems.

Documents / Resources

	Kitronik 5342 Inventors Kit for the Raspberry Pi Pico [pdf] Instructions 5342 Inventors Kit for the Raspberry Pi Pico, 5342, Inventors Kit for the Raspberry Pi Pico, Kit for the Raspberry Pi Pico, Raspberry Pi Pico, Pi Pico

References

- User Manual