

Item no.: 326487

T050000 - Tinkerkit Braccio robot

from **249,21 EUR**

Item no.: 326487
shipping weight: 1.00 kg
Manufacturer: Arduino



Product Description

Tinkerkit Braccio robot

The TinkerKit Braccio is a fully operational robotic arm, controlled via Arduino. It can be assembled in several ways for multiple tasks such as moving objects. You can also attach a camera or solar panel. There are so many ways in which the Braccio can extend the reach of your devices. [Power](#)

It is recommended to power the board via the jack connection with a regulated 5 VDC (at) 5000 mA power supply provided in the box.

There is an on-board voltage regulator for higher voltages that protect the Braccio shield. NOTE: The protection doesn't work for the Arduino Yun if you put the bridge between Vin and 5V on the Arm Robot Shield V1 (greater version of are called Braccio shield and has a power switch on the top of the shield)

Physical Characteristics

- 21 plastic parts
- 63x screws
- 16x flat washers
- 7x hexagon nuts
- 2x springs
- Servo motors: 2x SR 311, 4x SR 431
- 1x Arduino compatible shield
- 1x power supply 5 V, 5 A
- 1x Phillips screwdriver
- 1x spiral cable protection wrap

Fully assembled Braccio Kit:

- Weight: 792 g
- Maximum operating distance range: 80 cm
- Maximum height: 52 cm
- Base width: 14 cm
- Gripper width: 90 mm
- Cable length: 40 cm
- Maximum weight at 32 cm operating distance: 150 g
- Maximum weight at the minimal Braccio configuration: 400 g

Servo Technical Specification [SpringRC SR431 - Dual Output Servo](#)

- Control signal: PWM analog
- Torque: (at) 4.8 V: 169.5 oz-in (12.2 kg-cm); (at) 6.0 V: 201.4 oz-in (14.5 kg-cm)
- Weight: 2.19 oz (62.0 g)
- Dimensions: 1.65 x 0.81 x 1.56 in (42.0 x 20.5 x 39.5 mm)
- Speed: (at) 4.8 V: 0.20 sec/60°; (at) 6.0 V: 0.18 sec/60°
- Rotation support: Dual bearings
- Gear material: Metal
- Rotation range: 180°
- Connector type: J (aka Futaba)

[SpringRC SR311](#)

- Control signal: PWM analog
- Torque: (at) 4.8 V: 43.13 oz-in (3.1 kg-cm); (at) 6.0 V: 52.86 oz-in (3.8 kg-cm)
- Weight: 0.95 oz (27.0 g)
- Dimensions: 1.23 x 0.65 x 1.13 in (31.3 x 16.5 x 28.6 mm)
- Speed: (at) 4.8 V: 0.14 sec/60°; (at) 6.0 V: 0.12 sec/60°
- Rotation support: Dual bearings
- Gear material: Metal
- Rotation range: 180°
- Connector type: J (aka Futaba)

Specifications

**Scan this QR code to
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All details, up-to-date
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