



9g Micro Servo (Metal Gear) Robot

SKU :P2150003 Weight: 24.00 Gram

What Is 9g Micro Servo (Metal Gear) Robot?

Makeblock 9g Micro Servo (Metal Gear) Robot is a servo pack for beginners who like to make stuff move, it contains a 9g servo, a servo hub, a servo bracket and hardware. The 9g Micro Servo can rotate approximately 180 degrees, it works like standard servos but of course not as strong as a standard servo. With the servo hub and servo bracket, it may be convenient to connect the servo with other parts. A Me RJ25 Adapter also help you to connect the servo with main control board easily.

Features:

- Small volume and light weight
- Metal gear is hard and durable
- Compatible with Me RJ25 Adapter
- A servo hub and a servo bracket are included

- **Specification**
- **1.Apply Environmental Conditon**

No.	Item	Specifcation
1.1	Storage Temperature Range	-20°C~70°C
1.2	Operating Temperature Range	-10°C~60°C

- **2.Standard Test Environment**

No.	Item	Specifcation
2.1	Temperature Range	-10°C~60°C
2.2	Humidity Range	65%±10%

- **3.Mechanical Specification**
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No.	Item	Specifcation
3.1	Size	22.4×12.5×22.8mm
3.2	Weight	9g
3.3	Gear type	1 metal gear+4plastic gear
3.4	Limit angle	180°±10°
3.5	Horn type	Plastic, POM
3.6	Case	Engineering plastics(Pc)
3.7	Connector wire	260mm±5mm
3.8	Motor	DC motor

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- **4.Electrical Specification**

No.	Operat voltage	4.8V	6.0V
4.1	Idle current	5mA	5mA
4.2	No load speed	0.10sec/60°	0.09sec/60°
4.3	Runnig current	80mA	100mA
4.4	Peak stall torque	1.5kg.cm	1.8kg.cm
4.5	Stall current	650mA	750mA

- **5.Control Specification**

No.	Item	Specifcation
5.1	Command signal	Pulse width modification
5.2	Amplifier type	Analog controller
5.3	Pulse width range	1000~2000usec
5.4	Neutral position	1500usec
5.5	Running degree	120°±3°(when 900~2100usec)

5.6	Dead band width	8 usec
5.7	Rotating direction	Counterclockwise (when 1000~2000usec)

Demo:



