



Analog Feedback Micro Servo - Metal Gear

PRODUCT ID: 1450

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[DESCRIPTION](#)

[TECHNICAL DETAILS](#)



DESCRIPTION

It looks like a micro servo, it acts like a micro servo, but it's more than just a micro servo! We got a factory to custom-make these quality metal-gear'd 'micro' sized hobby servos with a twist -

Downloaded from Arrow.com, this servo is built out to a fourth white wire. You can read this

wire with an analog input such as those on an Arduino, to get the servo's position. That information can be used in robotics to improve stability or even allow 'recording' of servo motion.

Note that the default servo pulse widths (usually 1ms to 2ms) may not give you a full 180 degrees of motion. In that case, check if you can set your servo controller to custom pulse lengths and try 0.75ms to 2.25ms. You can try shorter/longer pulses but be aware that if you go too far you could break your servo!

Check out our [example Arduino sketch which demonstrates how to record motion data to the EEPROM and then play it back when a button is pressed](#). Comes with a range of horns as seen above.

Analog Feedback Micro Servo - Metal Gear ([12:41](#))

TECHNICAL DETAILS

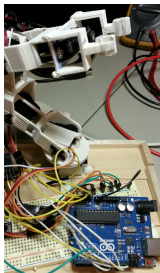
- Dimensions: 11.58mm / 0.45" x 22.75mm / 0.89" x 29.19mm / 1.14"
- Max Dimensions: 11.58mm / 0.45" x 32.74mm / 1.28" x 31.19mm / 1.22"
- Wire length (at least): 131.67mm / 5.18" long
- Torque: 25 oz*in / 1.8 kg*cm @6V
- Speed: 0.1 sec/60° @6V
- Weight: 15.81 grams
- Dual ball bearing
- Metal gearbox
- Approx 120 degrees of rotation (500 to 2500 microseconds)
- Spline Count: 22



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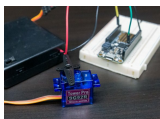
[Analog Feedback Servos](#)
What position is your servo in?



[Trainable Robotic Arm](#)
Teach this arm to move with your own hands



[Adafruit Motor Selection Guide](#)
Choose the right motor (and controller) for the job!



[Using Servos With CircuitPython and Arduino](#)
How to use servo motors with CircuitPython and Arduino

MAY WE ALSO SUGGEST...



Analog Feedback Micro



Servo Extension Cable -



Analog Feedback Servo



Micro servo



Micro Servo - MG90S High



Motor party add-on pack for



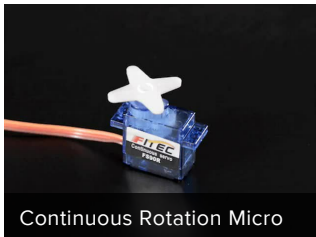
Sub-micro Servo - SG51R



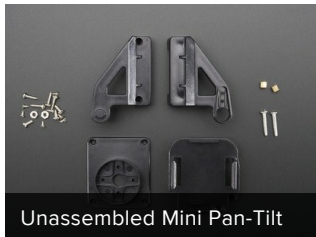
Micro Servo - High



Mini Pan-Tilt Kit - Assembled



Continuous Rotation Micro



Unassembled Mini Pan-Tilt

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4.9 ★★★★★
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