



## Mini Analog Joystick – 10K Potentiometers

PRODUCT ID: 3102



### Description

Sometimes a simple analog control device can be the perfect tactile solution for your project, but they can be surprisingly hard to come by. Luckily we've found a low cost, quality **Mini Analog Joystick** to fill your directional analog input needs!

Unlike most arcade-style joysticks which come with four clicking switches, this product has two 10K $\Omega$  potentiometers and a spring-back system. You can get a full 50 degrees in both X and Y directions. Connect one side of each potentiometer to ground, and the other side to a higher voltage and read the analog voltage off the middle. Great for robotics and other control interfaces. This joystick is durable and has a great feel to it. You could replace the springs if you want a stronger or weaker spring-back force.

### Technical Details

Resistance Value: 10 Kohm

Resistance Tolerance:  $\pm 10\%$

Independent Linearity:  $\pm 1\%$

Temperature Coefficient Resistance:  $\pm 400\text{ppm}/^\circ\text{C}$

Output Smoothness: 0.5% max

X and Y Axis range:  $\pm 25^\circ$

Mechanical Lifecycle: 500,000 cycle

Operating Temperature Range:  $-10\sim 80^\circ\text{C}$

Product Dimensions: 67.4mm x 52.7mm x 52.7mm / 2.7" x 2.1" x 2.1"

Product Weight: 55.9g / 2.0oz

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