

# Single Turn Precision Potentiometer

**CP-45H**



Input DC5V±0.5V  
 Elect. Angle 360°  
 Absolute Lin. ±0.4%  
 Output 10~90%Vin  
 Size Ø45x25mm  
 (1.77x0.98in)

**CP-45H-A**



Input DC24±4V  
 Elect. Angle 360°  
 Absolute Lin. ±1%  
 Output 4~20mA  
 Size Ø45x25mm  
 (1.77x0.98in)

**CP-45H-5V**



Input DC8~32V  
 Elect. Angle 360°  
 Absolute Lin. ±1%  
 Output 0~5V  
 Size Ø45x25mm  
 (1.77x0.98in)

**CP-45H-10V**



Input DC14~32V  
 Elect. Angle 360°  
 Absolute Lin. ±1%  
 Output 0~10V  
 Size Ø45x25mm  
 (1.77x0.98in)

**CP-2HK**



Input DC5V±0.5V  
 Elect. Angle 80°  
 Ind. Lin. ±0.5%  
 Output 10~90%Vin  
 Size Ø42x63xH32mm  
 (1.65x2.48xH1.25in)

**CP-2HK-8R**



Input DC8V±0.5V  
 Elect. Angle 80°  
 Ind. Lin. ±0.5%  
 Output 10~90%Vin  
 Size Ø42x63xH32mm  
 (1.65x2.48xH1.25in)

**CP-2HK-10R**



Input DC10V±0.5V  
 Elect. Angle 80°  
 Ind. Lin. ±0.5%  
 Output 10~90%Vin  
 Size Ø42x63xH32mm  
 (1.65x2.48xH1.25in)

**CP-2UKN-A**



Input DC24V±4V  
 Elect. Angle 90°  
 Ind. Lin. ±2.2%  
 Output 4~20mA  
 Size Ø42x63xH32mm  
 (1.65x2.48xH1.25in)

**UV-JHA-02**



Input DC5V±0.5V  
 Elect. Angle 80°  
 Ind. Lin. ±1.5%  
 Output 10~90%Vin  
 • Positive linear output  
 Size Ø27x43xH25mm  
 (1.06x1.69xH0.98in)

**UV-JHA-03**



Input DC5V±0.5V  
 Elect. Angle 80°  
 Ind. Lin. ±1.5%  
 Output 10~90%Vin  
 • Negative linear output  
 Size Ø27x43xH25mm  
 (1.06x1.69xH0.98in)

**CP36U**



**NEW!**



Input DC24V±8V  
 Elect. Angle 18~360°  
 Ind. Lin. 0.20%  
 Output 4~20mA  
 • Programmable  
 Size Ø39.5x37mm  
 (Ø1.55x1.45in)

**CP-2HA**



Input DC5V±0.5V  
 Elect. Angle 350°  
 Ind. Lin. ±1%  
 Output 10~90%Vin  
 • Dual Output  
 Size Ø50x22mm  
 (Ø1.96x0.86in)

**RoHS** All Products on this catalog are complied with RoHS

# Single Turn Precision Potentiometer

**CP-3HABS-111-02**



Input DC5V±0.5V  
 Elect. Angle 90°  
 Ind. Lin. ±3%  
 Output 10~90%Vin  
 • Single Output  
 Size Φ40x18mm  
 (Φ1.57x0.70in)

**CP-3HABS-211-02**



Input DC5V±0.5V  
 Elect. Angle 90°  
 Absolute Lin. ±3%  
 Output 10~90%Vin  
 • Dual Output  
 Size Φ40x18mm  
 (Φ1.57x0.70in)

**QP-3HB-111-02**



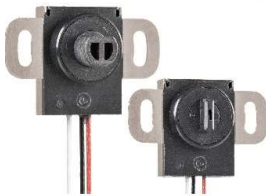
Input DC5V±0.5V  
 Elect. Angle 90°  
 Absolute Lin. ±2%  
 Output 10~90%Vin  
 • Single Output  
 Size Φ39x17mm  
 (Φ1.53x0.66in)

**QP-3HB-211-02**



Input DC5V±0.5V  
 Elect. Angle 90°  
 Absolute Lin. ±2%  
 Output 10~90%Vin  
 • Dual Output  
 Size Φ39x17mm  
 (Φ1.53x0.66in)

**CP-1Hx-R**



**NEW!**



Input DC5V±0.5V  
 Elect. Angle 360°  
 Abso. Lin. ±2%  
 Output 10~90%Vin  
 • Single/Dual Output  
 Size 28x18x10.5mm  
 (1.10x0.7x0.41in)

**CP-1Hx-P**



**NEW!**



Input DC5V±0.5V  
 Elect. Angle 360°  
 Abso. Lin. ±2%  
 Output PWM  
 • Single/Dual Output  
 Size 28x18x10.5mm  
 (1.10x0.7x0.41in)

**CP-20H**



Input DC5V±0.5V  
 Elect. Angle 340°  
 Abso. Lin. ±1%  
 Output 10~90%Vin  
 • Single/Dual Output  
 Size Φ22x12.5mm  
 (Φ0.86x0.49in)

**QP-2H/ QP-2HC**



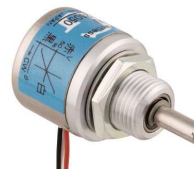
Input DC5V±0.5V  
 Elect. Angle 90°  
 Ind. Lin. ±1.5%  
 Output 10~90%Vin  
 • Single/Double Shaft  
 Size Φ28x29mm  
 (Φ1.10x1.14in)

**CP-2HB**



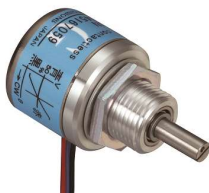
Input DC5V±0.5V  
 Elect. Angle 90°  
 Ind. Lin. ±3%  
 Output 10~90%Vin  
 • Low cost  
 Size Φ20x11mm  
 (Φ0.78x0.43in)

**CP-16U**



Input DC3~5.5V  
 Elect. Angle 90°, 120°  
 Ind. Lin. ±1.5%  
 Output 3.5~6.5%Vin/10°  
 • Low current consumption  
 Size Φ16x13mm  
 (Φ0.62x0.51in)

**CP-2UN**



Input DC10V MAX.  
 Elect. Angle 90°  
 Ind. Lin. ±2%  
 Output 2%Vin/10° MIN.  
 • Lead wire type  
 Size Φ16x13mm  
 (Φ0.62x0.51in)

**CP-2FL**



**NEW!**



Res. 1K,2K,5K,10KΩ  
 Elect. Angle 340°  
 Ind. Lin. ±2%  
 Output 0~100%Vin  
 • Low cost  
 Size Φ22.3x12.5mm  
 (Φ0.87x0.49in)  
 Shaft Dia 3.175mm(1/8in)

**RoHS** All Products on this catalog are complied with RoHS

# Single Turn Precision Potentiometer

**CP-2FL-6**



**NEW!**



Conductive Plastic Angle Sensor

Res. 1K,2K,5K,10K $\Omega$   
 Elect. Angle 340°  
 Ind. Lin.  $\pm 2\% / \pm 1\%$   
 Output 0~100%Vin  
 • Low cost  
 Size  $\Phi 22.3 \times 12.5 \text{mm}$   
 ( $\Phi 0.87 \times 0.49 \text{in}$ )  
 Shaft Dia 6mm(0.23in)

**CP-2FB(m/b)J**



Conductive Plastic Angle Sensor

Res. 1K,2K,5K,10K $\Omega$   
 Elect. Angle 340°  
 Ind. Lin.  $\pm 1\% / \pm 0.5\%$   
 Output 0~100%Vin  
 Size  $\Phi 22.3 \times 11.3 \text{mm}$   
 ( $\Phi 0.87 \times 0.44 \text{in}$ )  
 Shaft Dia 3.175mm(1/8in)

**CP-2FK(m/b)J**



Conductive Plastic Angle Sensor

Res. 1K,2K,5K,10K $\Omega$   
 Elect. Angle 340°  
 Ind. Lin.  $\pm 1\% / \pm 0.5\%$   
 Output 0~100%Vin  
 Size  $\Phi 22.3 \times 11.3 \text{mm}$   
 ( $\Phi 0.87 \times 0.44 \text{in}$ )  
 Shaft Dia 3.175mm(1/8in)

**CP-2FBJ-6**



Conductive Plastic Angle Sensor

Res. 1K,2K,5K,10K $\Omega$   
 Elect. Angle 340°  
 Ind. Lin.  $\pm 1\% / \pm 0.5\%$   
 Output 0~100%Vin  
 Size  $\Phi 22.3 \times 11.3 \text{mm}$   
 ( $\Phi 0.87 \times 0.44 \text{in}$ )  
 Shaft Dia 3.175mm(1/8in)

**CP-2FCB(m)**



Conductive Plastic Angle Sensor

Res. 5K $\Omega$   
 Elect. Angle 340°  
 Ind. Lin.  $\pm 1\%$   
 Output 0~100%Vin  
 • Built-in Connector  
 Size  $\Phi 22.3 \times 11 \text{mm}$   
 ( $\Phi 0.87 \times 0.44 \text{in}$ )  
 Shaft Dia 3.175mm(1/8in)

**CP-2FABSJ**



Conductive Plastic Angle Sensor

Res. 1K $\Omega$   
 Elect. Angle 90°  
 Ind. Lin.  $\pm 3\%$   
 Output 0~100%Vin  
 • Return spring, IP65  
 Size  $\Phi 50 \times 22 \text{mm}$   
 ( $\Phi 1.96 \times 0.86 \text{in}$ )

**CP-2FABSJ-06**



Conductive Plastic Angle Sensor

Res. 1K $\Omega$   
 Elect. Angle 340°  
 Ind. Lin.  $\pm 1\%$   
 Output 0~100%Vin  
 • No return spring, IP65  
 Size  $\Phi 28 \times 29 \text{mm}$   
 ( $\Phi 1.10 \times 1.14 \text{in}$ )

**CPP-35/35B**



Conductive Plastic Angle Sensor

Res. 1K,2K,5K,10K $\Omega$   
 Elect. Angle 340°  
 Ind. Lin.  $\pm 1\% / \pm 0.2\%$   
 Output 0~100%Vin  
 Size  $\Phi 37 \times 18 \text{mm}$   
 ( $\Phi 1.45 \times 0.71 \text{in}$ )  
 Shaft Dia  $\Phi 3.175 \text{mm}$   
 $\Phi 6 \text{mm}$  (CPP-35B)

**CPP-45BJ**



Conductive Plastic Angle Sensor

Res. 1K, 5K, 10K  $\Omega$   
 Elect. Angle 350°  
 Ind. Lin.  $\pm 0.3\% / \pm 0.1\%$   
 Output 0~100%Vin  
 • Short delivery product  
 Size  $\Phi 45 \times 18 \text{mm}$   
 ( $\Phi 1.77 \times 0.71 \text{in}$ )

**CP-45FB**



Conductive Plastic Angle Sensor

Res. 1K, 5K, 10K  $\Omega$   
 Elect. Angle 350°  
 Ind. Lin.  $\pm 0.1\%$   
 Output 0~100%Vin  
 • Long life, High accuracy  
 Size  $\Phi 45 \times 16 \text{mm}$   
 ( $\Phi 1.77 \times 0.62 \text{in}$ )

**CP-45FBx2**



**NEW!**



Conductive Plastic Angle Sensor

Res. 1K, 5K, 10K  $\Omega$   
 Elect. Angle 350°  
 Ind. Lin.  $\pm 0.1\%$   
 Output 0~100%Vin  
 • Long life, Dual Gang  
 Size  $\Phi 45 \times 29 \text{mm}$   
 ( $\Phi 1.77 \times 1.14 \text{in}$ )

**CPP-60**



Conductive Plastic Angle Sensor

Res. 1K,2K,5K,10K,20K $\Omega$   
 Elect. Angle 355°  
 Ind. Lin.  $\pm 0.05\%$   
 Output 0~100%Vin  
 • High accuracy  
 Size  $\Phi 62 \times 27.5 \text{mm}$   
 ( $\Phi 2.44 \times 1.08 \text{in}$ )

**RoHS** All Products on this catalog are complied with RoHS

# Single Turn Precision Potentiometer

CPP-45RBN

**Green Pot**

Conductive Plastic Angle Sensor



Res. 1K,2K,5K,10K,20K $\Omega$   
 Elect. Angle 350°  
 Ind. Lin.  $\pm 0.3\%$   
 Output 0~100%Vin  
 • IP54  
 Size  $\Phi 87 \times 118 \text{mm}$   
 ( $\Phi 3.42 \times 4.64 \text{in}$ )

Midori's precision potentiometers have been classified into four categories for differentiating the core sensing element installed in each category. Each category can be recognized by the color of the product label.

**W-w**

W-w POT: Wire-wound potentiometer

**Green Pot**

Green POT: Conductive plastic precision potentiometer

**Blue Pot**  
contactless

Blue POT: Magneto-Resistive Element and Tunnel Magneto-Resistive Element type contactless precision potentiometer

**Orange Pot**  
Contactless

Orange POT: Hall Effect IC type contactless precision potentiometer

**RoHS** All Products on this catalog are complied with RoHS