

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)

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 $\Phi 40 \times 18 \text{mm}$
 ($\Phi 1.57 \times 0.70 \text{in}$)

CP-3HABS-211-02



Input DC5V±0.5V
 Elect. Angle 90°
 Absolute Lin. ±3%
 Output 10~90%Vin
 • Dual Output
 Size $\Phi 40 \times 18 \text{mm}$
 ($\Phi 1.57 \times 0.70 \text{in}$)

QP-3HB-111-02



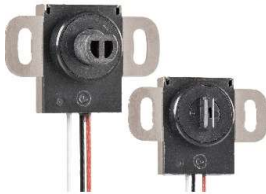
Input DC5V±0.5V
 Elect. Angle 90°
 Absolute Lin. ±2%
 Output 10~90%Vin
 • Single Output
 Size $\Phi 39 \times 17 \text{mm}$
 ($\Phi 1.53 \times 0.66 \text{in}$)

QP-3HB-211-02



Input DC5V±0.5V
 Elect. Angle 90°
 Absolute Lin. ±2%
 Output 10~90%Vin
 • Dual Output
 Size $\Phi 39 \times 17 \text{mm}$
 ($\Phi 1.53 \times 0.66 \text{in}$)

CP-1Hx-R



Input DC5V±0.5V
 Elect. Angle 360°
 Abso. Lin. ±2%
 Output 10~90%Vin
 • Single/Dual Output
 Size $28 \times 18 \times 10.5 \text{mm}$
 ($1.10 \times 0.7 \times 0.41 \text{in}$)

CP-1Hx-P



Input DC5V±0.5V
 Elect. Angle 360°
 Abso. Lin. ±2%
 Output PWM
 • Single/Dual Output
 Size $28 \times 18 \times 10.5 \text{mm}$
 ($1.10 \times 0.7 \times 0.41 \text{in}$)

CP-20H



Input DC5V±0.5V
 Elect. Angle 340°
 Abso. Lin. ±1%
 Output 10~90%Vin
 • Single/Dual Output
 Size $\Phi 22 \times 12.5 \text{mm}$
 ($\Phi 0.86 \times 0.49 \text{in}$)

QP-2H/ QP-2HC



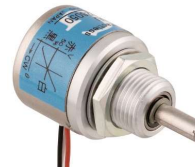
Input DC5V±0.5V
 Elect. Angle 90°
 Ind. Lin. ±1.5%
 Output 10~90%Vin
 • Single/Double Shaft
 Size $\Phi 28 \times 29 \text{mm}$
 ($\Phi 1.10 \times 1.14 \text{in}$)

CP-2HB



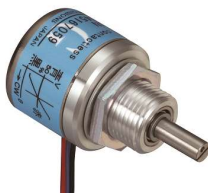
Input DC5V±0.5V
 Elect. Angle 90°
 Ind. Lin. ±3%
 Output 10~90%Vin
 • Low cost
 Size $\Phi 20 \times 11 \text{mm}$
 ($\Phi 0.78 \times 0.43 \text{in}$)

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 $\Phi 16 \times 13 \text{mm}$
 ($\Phi 0.62 \times 0.51 \text{in}$)

CP-2UN



Input DC10V MAX.
 Elect. Angle 90°
 Ind. Lin. ±2%
 Output 2%Vin/10° MIN.
 • Lead wire type
 Size $\Phi 16 \times 13 \text{mm}$
 ($\Phi 0.62 \times 0.51 \text{in}$)

CP-2FL



Res. 1K,2K,5K,10K Ω
 Elect. Angle 340°
 Ind. Lin. ±2%
 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 3.175mm(1/8in)

Single Turn Precision Potentiometer

CP-2FL-6



NEW!



Conductive Plastic Angle Sensor

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

Single Turn Precision Potentiometer

CPP-45RBN

Green Pot

Conductive Plastic Angle Sensor



Res. 1K,2K,5K,10K,20K Ω
 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