Encoder

CP36M Series

Magnetic Absolute Rotary Encoder

High Accuracy: Resolution 13-bit, Accuracy 0.17°
Excellent Repeatability: ±1LSB
Position Data Update Cycle: 6.1kHz/ 12kHz/ 24kHz
Mechanical Response Time: 10,000rpm MIN.
Serial Data Output: RS-422 Format (Interface), ASI, SSI output (Format)

Input	DC5V
Electrical Angle	360°
Resolution	11-bit/ 12-bit/ 13-bit
Accuracy	±0.35°/ ±0.17°
Max. Speed	10,000rpm
Size	Φ36x37mm (Φ1.41x1.45in)

High Precision Multipole Magnetic Scale

MAX. Work Size: Φ200x20mm
Magnetizing Pitch: 100~1000μm
Single Pitch Error: 0.10%
Cumulative Pitch Error: 0.40%
Total Harmonic Distortion: 2% (2~7th)

The magnetic scale consists of magnetic patterns in which N pole and S pole are alternately arranged in the magnetic material. By using the scale together with a magnetoelectric conversion element such as an MR sensor, an absolute encoder or an incremental encoder can be related.

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