

Fast Facts

MagnePot 8150 Series NON-CONTACTING MULTI-TURN ROTARY POSITION SENSOR

The MagnePot rotary position sensor is a new non-contacting multi-turn rotary position sensor available in three, five, and ten turn models. Various output options are available. Non-contacting technology provides consistent performance over a significantly extended life.

Market Segments

- MagnePot position sensors are ideal for the demanding requirements of industrial, medical, aerospace and factory automation markets

Applications

- Industrial
 - Joystick controls
 - Factory automation
 - Medical device positioning
- Defense and Aerospace
 - Vision system position feedback
 - Targeting systems
 - Aircraft flight and panel controls
- Factory Automation
 - Rotary position sensing
 - Motion control feedback

Features

- Non-contact technology provides clean outputs without sliding contact noise
- Absolute position output through multiple turns
- $\pm 0.50\%$ independent linearity ($\pm 0.25\%$ is available)
- 10 million shaft rotations minimum life
- Ratiometric output
- 12 mA max current
- -40° to $+125^{\circ}\text{C}$ operating temperature

Our advantage

- Special designs for severe environments are easily accommodated
- Three, five, and ten turns available
- Multiple output voltage option are available and custom options are possible
- Non-linear output functions are possible
- High performance bearing design results in a minimum of **10 million** shaft rotations