

## Fast Facts

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### 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
- $-40^{\circ}$  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 options 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