High-Quality, Rugged Encoders

Where can I use an encoder?

Encoders are used in all types of motion sensing applications, including machine tooling, semiconductors, motion and posture. All Koyo encoders feature a reinforced aluminum diecast casing and come equipped with a two-meter cable or MS connector. Use the incremental encoders with our PLC high-speed counter modules for accurate position monitoring, control, or use our absolute encoders to monitor position with Gray code and standard PLC DC inputs.

Why buy an encoder from us?

There are several distinct advantages to purchasing your encoder from AutomationDirect:

- **Price**
  As with all of our product lines, our prices are often well below the list prices of traditional automation suppliers. Our direct business model allows us to operate more efficiently than other suppliers and pass the savings on to you.

- **Quality**
  All encoders carry a 1-year warranty, and a 30-day money-back guarantee. If for any reason you are not satisfied with your purchase, send it back and we will refund your money.

- **What is a light-duty encoder?**
  Includes series: TRD-MX, TRD-2E, TRD-5, TRD-SH

A lightweight encoder is a cost-effective encoder requiring minimal load on the shaft. Our offer the following features:

- \(30 \ (1.0 \text{ inch or } 25mm) \) diameter body or
- \(35 \ (1.5 \text{ inch or } 38mm) \) diameter body

- Dustproof (IP60 or IP65) rating

- Resolution available from 100 pulses/revolution to 5000 pulses/revolution

- Open collector or line driver outputs

- Up to 200 kHz response frequency

What is a medium-duty encoder?

Includes series: TRD-N, TRD-NL, TRDA-20, TRDA-25, TRD-NA

A medium-duty encoder is the most popular encoder we offer. The product line offers the greatest flexibility of choice while maintaining very high quality, all for a very low price. Our medium-duty encoders offer:

- \(30 \ (1.0 \text{ inch or } 25mm) \) diameter body or
- \(35 \ (1.5 \text{ inch or } 38mm) \) diameter body (w/ 2.0" body)

- Dustproof (IP60 or IP65) rating

- Resolution available from 100 pulses/revolution to 5000 pulses/revolution

- Open collector or line driver outputs

- Up to 200 kHz response frequency

What is a heavy-duty encoder?

Includes series: TRD-GK

A heavy-duty encoder is the most rugged encoder you can buy. Top-of-the-line bearings help maintain a service life of 12 billion revolutions. Our heavy-duty encoders offer:

- \(30 \ (1.2 \text{ inch or } 78mm) \) diameter body

- Splash-proof (IP65) rating

- Incremental operation from 30 pulses/revolution to 5000 pulses/revolution

- Tote pole output

- Up to 100 kHz response frequency

For the latest prices, please check AutomationDirect.com