

Инкрементальные энкодеры

Технические характеристики

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MNI20/MNI40

These magnetic encoders achieve high-accuracy feedback. This two-piece design enables the magnetic code wheel to mount directly to a machine shaft.



TVI40/THI40/TSI40

These solid, hollow, and recessed hollow shaft models are our smallest, most economical incremental encoders. With a diameter of only 40 mm (1.57"), they can fit in the tightest spaces. The tangential cable exit allows the cable to be positioned either axially or radially.



RVI25

The RVI25 is a rugged, industry-standard, 2.5" incremental encoder with a wide variety of options and resolutions up to 5,000 ppr. Multiple flange types and connection options, including MIL-SPEC connectors, make it simple to integrate. Available with 1/4" and 3/8" shaft sizes.



RVI58/RHI58

RVI58/RHI58 encoders are available with resolution up to 50,000 ppr for precise positioning applications. Shaft bore sizes on the RHI58 include 10 mm, 12 mm, and 1/2". Solid shaft models are available with 6 mm, 10 mm, or 12 mm shaft diameters.



RHI90

This large, hollow-shaft incremental encoder can be used for shaft sizes ranging from 16 mm to 45 mm, including 5/8", 3/4", 7/8", and 1". It provides resolutions up to 50,000 ppr.



ENI11HD

For demanding applications in steel mills, shipbuilding, cranes, and offshore environments. The ENI11HD heavy-duty incremental encoder provides reliable feedback for large asynchronous motors and is capable of handling the higher shaft loads, vibration, shock, temperature, and IP protection that is needed in these demanding environments.



36M Series

The 36M series is a CANopen, J1939 SSI, and analog magnetic absolute encoder. It has a small, 36 mm diameter housing with different mounting options available. This encoder is ideal for applications that have space-restricted areas such as renewable energy and packaging machines.



42H Series

The 42H series has different protocols available. They include analog, CANopen, SSI, and J1939. This single-turn or multiturn magnetic absolute encoder has an all stainless steel housing. The 42H series has high shaft load capacity, high vibration, and high shock resistance with excellent environmental protection. For these reasons, the 42H series is best suited for harsh environments, which include mobile equipment applications.



ENA36, ENA42, and ENA58 Series

The ENA36, ENA42, and ENA58 Series magnetic absolute encoders have <0.1° accuracy. Pepperl+Fuchs magnetic rotary encoders can be used in a wide variety of applications because the technology offers precision, robustness, reliability, and a compact housing. The protocols available are analog, SSI, J1939, CANopen, EtherCAT, PROFINET, and PROFIBUS.



E**58, A**58, B**58, C**58, D**58, P**58

Optical absolute encoders with <0.01° accuracy are available for machines and applications that require this higher accuracy. Many protocols are available, such as EtherNet/IP, PROFINET, TCP/IP, PowerLink, SSI, AS-Interface, CANopen, DeviceNet, and PROFIBUS. There are many options to choose from, including solid shaft, recessed hollow shaft, single-turn, and multiturn absolute encoders.



Hazardous Area Encoders

The 78E series is an absolute encoder with an Ex d flameproof housing and a choice of PROFIBUS, SSI, CANopen, and DeviceNet protocols. It has a removable housing for easy configuration and flexibility for your installation. In addition to the 78E series, there is the RVI84 incremental encoder series with intrinsic safety. The RVI58X and RSI58X have non-incendive installation approvals, and the RVI70 incremental encoder has Ex d housing and IECEx approval.

Incremental Rotary Encoders

							
	MNI20 Magnetic	MNI40 Magnetic	TVI40	TSI40	THI40	TVI50	RVI50
Diameter	20.44 mm, 31.70 mm	31.7 mm, 40.6 mm, 45.7 mm	40 mm	40 mm	40 mm	50 mm	50 mm
Max PPR	5,000	7,200	1,024	1,024	1,024	1,024	2,500
Shaft Type	Mag wheel	Mag wheel	Solid	Recessed hollow	Hollow	Solid	Solid

						
	TVI58	THI58	RVI58	RSI58	RHI58	RVI58L Stainless Steel
Diameter	58 mm	58 mm	58 mm	58 mm	58 mm	58 mm
Max PPR	1,500	1,500	50,000	50,000	50,000	5,000
Shaft Type	Solid	Hollow	Solid	Recessed hollow	Hollow	Solid

						
	RVI25 Square Flange	RHI90	RVS58 Sine-Cosine	RHS58 Sine-Cosine	RHS90 Sine-Cosine	ENI11HD
Diameter	2.5 "	90 mm	50 mm	58 mm	90 mm	108.5 mm
Max PPR	5,000	50,000	2,048	2,048	2,048	2500
Shaft Type	Solid	Hollow	Solid	Hollow	Hollow	Hollow/ recessed hollow

Accessories



Couplings

- Spring steel coupling – 9401
- Spring disk coupling – 9404
- Bellows coupling – 9409
- Precision coupling – 9410
- Helix coupling – KW



Connectors

Encoder mating connectors
and cordsets available

Hazardous Area Rotary Encoders

Incremental Rotary Encoders			
Diameter	58 mm	70 mm	78 mm
Series	RVI58X/RSI58X	RVI 70	RVI84
Max PPR	5,000	5,000	25
Ignition protection class	Zone 2/22	Ex d	Ex ia

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