

EncodOR125 Sensor is used for precise absolute angle measurement (speed and angular position determination).

EncodOR125 consists of a precisely calibrated matched Rotor and Stator pair.

EncodOR125 Specification

- Absolute angle measurement
- 21-bit and above high sensitivity
- Due to the principle of contactless working, it can work in high speed moving equipments.
- Each Rotor/Stator pair is calibrated separately.
- SSI-7 Communication Protocol



Advantages

EncodOR125 is suitable for many industrial applications, especially in the defense, and robotic sectors.

- Qualified for military standards.
- Due to its high measurement speed, it is suitable for applications above 10.000RPM.
- Very high static accuracy over 360° special accuracy models are available upon customer requirements.
- Higher measurement speeds are available upon customer request.
- Higher accuracy models are available upon customer request.



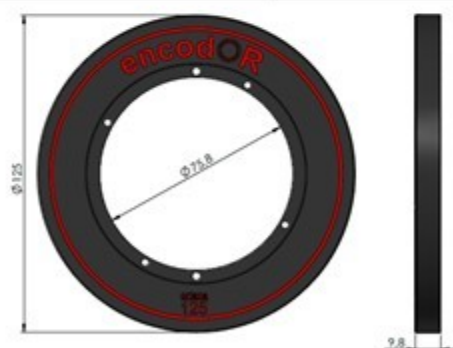
Product Specifications

PERFORMANCE	
Working Principle	Inductive, Absolute
Measurement Speed	10KHz
SSI Clock Rate	100KHz ... 2MHz
Resolution	21 Bits
Static Accuracy over 360°	<50arcsec
OUTPUT	
SSI-7	
SSI-6 (Optional)	
SSI-2 (Optional)	
RS-485 (Service & Calibration)	
MEASUREMENT	
Measurement Range	360°
Maximum Physical Speed	> 10.000 RPM
ACCESSORIES	
Accessories	2m Cable (Optional)
Connector Type	CON SMD 10 PIN 2mm MALE (HARWIN M80-5021022)

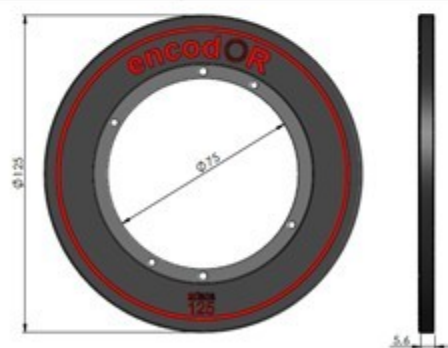
PHYSICAL	
Weight	200g (Pair)
Dimensions	Ø125mm
Product Material	Aluminum (Black Anodized Coating)
POWER	
DC	5V or 24V (9-32VDC)
Power Consumption	1.5W
ENVIRONMENTAL	
Temperature	-45°C ve +85°C
Protection Class	IP68 (EN / IEC 60529)

STANDARDS

 MIL-STD-810H	 MIL-STD-461G	 MIL-STD-464A
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ROTOR



STATOR