

EncodOR300 Sensor is used for precise absolute angle measurement (speed and angular position determination).

EncodOR300 consists of a precisely calibrated matched Rotor and Stator pair.

### EncodOR300 Specification

- Absolute angle measurement
- 22-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-6 Communication Protocol



### Advantages

EncodOR300 is suitable for many industrial applications, especially in the defense, 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	22 Bits
Static Accuracy over 360°	<35arcsec
OUTPUT	
SSI-6	
SSI-7 (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	490g (Pair)
Dimensions	Ø300mm
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



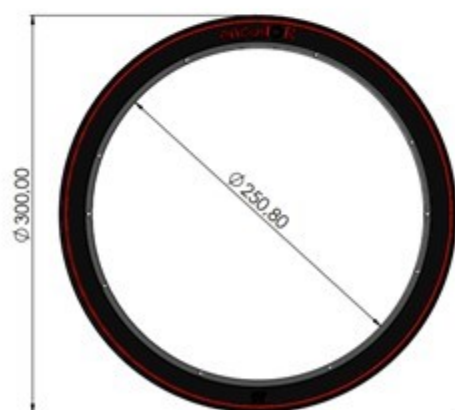
MIL-STD-810H



MIL-STD-461G

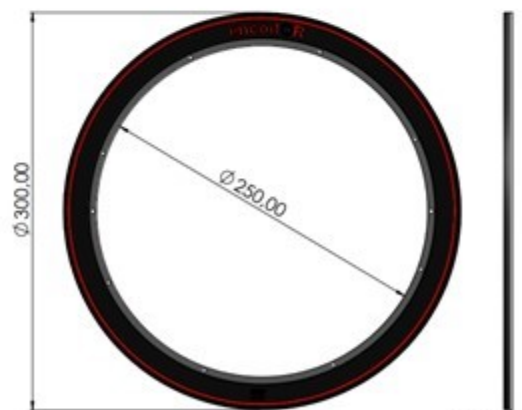


MIL-STD-464A



9.80

STATOR



5.60

ROTOR