



# High Temperature Variable Reluctance Sensor

## Technical Specifications

Coil Properties	Value
Induction	600 mH max
Resistance	1,000 $\Omega \pm 100 \Omega$
Pole Piece	Diameter 8.5 mm
Magnet Material	Temperature resistant Neodymium

Mechanical Properties	Value
Bore Diameter	5/8"
Mounting Hardware	M7 Fastener
Housing Material	Temperature Resistant PPA Plastic
Continuous Operating Temperature	-40 °C to 180 °C
Maximum Operating Temperature	250 °C for 100 Hours Continuous
Coil Cut Through Temperature	390 °C
Environmental Immunity	Fully tested for harsh vibration and thermal cycling
Electromagnetic Compatibility (EMC)	Dependent on specific environment and utilization



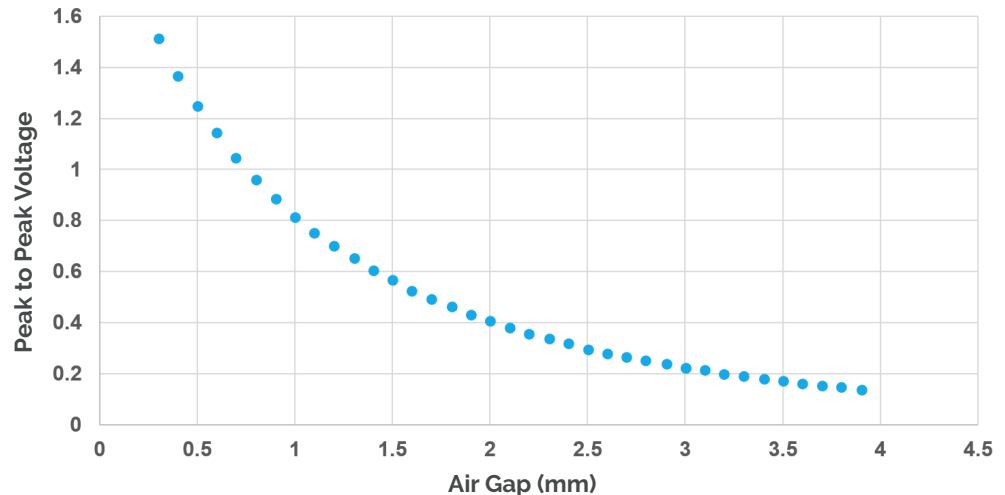
## Signal Output

Reference Target Wheel	Value
Tooth Width	10 mm
Tooth/Gap Ratio	1.25
Major Diameter	97 mm
Minor Diameter	89 mm
Target Material	Steel

Test Conditions	Value
Speed	35 rpm
Temperature	23 °C

## Typical Voltage Output (Peak to Peak)



## Agency Approvals & Certifications



# Contact

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