



MAGNETIC SENSORS CORPORATION  
Measuring the Rate of Progress Since 1983

# Hall Effect Speed Sensor

Hall Effect Speed Sensor  
Part Number: 427015-10

### Description:

- True zero speed sensing
- Digital output
- No moving parts or contacts
- Supply Voltage from 4.5 - 24Vdc
- Operating Temp -40°C to + 125°C
- Wide variety of styles and sizes
- Rugged design
- Configurable for most environments
- Customized versions available
- Adapts to various configuration

### Applications:

- Electronic Speedometer
- Fuel Pump Monitor
- Turbochargers
- Centrifuge Speed Measurement
- Distance Measurement
- Unmanned Aerial Vehicles
- AAV7 Amphibious Assault Vehicle



SENSOR SPECIFICATIONS				TEST SPECIFICATIONS	
INPUT VOLTAGE	4.5 TO 24 VDC	HOUSING MATERIAL	303 S.S.	OUTPUT SIGNAL	OPEN COLLECTOR WITH 4.7K OHM INTERNAL RESISTOR
INPUT CURRENT	10 mA MAX	DIELECTRIC STRENGTH	150 VRMS	SURFACE SPEED	0-12000 TEETH/SECOND
OUTPUT SIGNAL, Isink	25 mA MAX	WIRE	N/A	TEST WHEEL	24 PITCH FERROUS MATERIAL
OPERATING TEMPERATURE	-40° C to 125° C	MOUNTING THREAD SIZE	N/A	AIR GAP	.030 MAX
OUTPUT SATURATION VOLTAGE	0.6 V MAX	CONNECTOR	Amphenol/MS Std. MS3106A-10SL-3S	OVERALL LENGTH	3.63 in

