

HALL EFFECT SENSORS

QUADRATURE GEAR TOOTH SENSORS

- Measure speed and direction or count up/down with direction from a single sensor head
- Optimized output based on customer specific target
- Available in a wide variety of packages
 - Low cost flange mount, threaded aluminum, stainless steel, and custom housings for high pressure, etc.
- Electrical options for all control systems
 - NPN, PNP, and TTL (0V-5V) outputs
 - Load dump and EMI/ESD protection available
- Connections to meet the assembly requirements
 - Deutsch, Packard, Amphenol, other connectors available
 - Free end wires, jacketed and shielded cables

ANGULAR POSITION SENSORS

- Resolve angular position of rotating targets
- Full scale analog output over full or limited range of rotation
 - 0-5V analog output for 45, 90, 180, 270, or 360 degrees
 - Digital PWM or SPI Serial Outputs are also possible
 - 5V powered and protected 8-30V power options
- Target magnets with marked orientation for installation
 - Compact raw magnets or magnets in bolt on housings
- Many housing and connection options
 - Molded, aluminum, and stainless steel packages
 - Integral connectors, pigtails, and free end wiring

PRIMARY MARKET EXAMPLES (BUT NOT LIMITED TO)	
AUTOMOTIVE / HEAVY EQUIPMENT	Cam & crankshaft position sensors
	Shaft and gear speed conditions
	Diesel valve lift height measurement
AGRICULTURAL	Irrigation & fertigation flow meter sensors
	Winch shaft speed & direction measurement
	Resolve rotational position of shafts & gears
MANUFACTURING	Monitor speed & direction of conveyor travel
	Detect steel in aluminum assemblies
	Inspect for residual magnetization

Gear Detection Sensors



Angular Position Sensors



Speed Switch Sensors



Analog Hall Effect Sensors



Ferrous Metal Proximity Sensors



For more info visit sensorso.com

CAPABILITIES

Hall Sensor Development & PCBA Experts
(5 Patents in Magnetic Sensing)

Custom Electrical Sensor & Packaging Design
(Housing and Connection)

Quick-turn Prototype of Custom & Catalog Smart
Sensors incl. OEM Brand Labeling

Precision Magnetic Field IC Analog & Digital
Sensor Programming

Management of Certification Testing to
International & Industry Standards

