

# Customer-Focused Solutions

Sensor Solutions® was incorporated in Colorado in 1993. It grew from a single family of magnetic distance sensors into over 20 different families of products, all based on magnetic field detection. The company currently holds 5 patents in magnetic sensing, with more in the works. Our growth in test and measurement, OEM, and replacement magnetic sensors has expanded our catalog to over 6,000 unique magnetic field Hall Effect sensors. We regularly develop new magnetic sensors for prototypes, OEM products, OEM replacements, and custom applications that range from military to renewable energy; we're your one-stop-shop for catalog or custom magnetic sensors.

## Standex Electronics *at a Glance*

### Publicly traded

division of Standex  
International Corporation  
(NYSE:SXI)

### Fairfield, OH

division headquarters

### Global

geographic coverage  
through facilities in North  
America, Europe, and Asia

### Diverse

capabilities for custom or  
standard product solutions

### \$300M

in annual revenue

### 1,600+

employees worldwide

### 70+

years of innovation

# What We Do

PARTNER | SOLVE | DELIVER®



### ENGINEERS ON CALL 970-879-9900

Experienced Engineers are available M-F for selecting sensors for new applications, designing new sensors, and product support after shipment.



### BUILD-TO-ORDER PRODUCTS IN 1 WEEK

Receive the exact magnetic sensor function and package you require in days, utilizing modular manufacturing concepts.



### RAPID DESIGN & DEVELOPMENT

Prototypes for new custom sensor packages, functions, and electrical options are built in-house/shipped in days of order receipt. New products ready for customer testing or production release in 1-6 weeks.

### Sensor Solutions, Inc.

(A Standex Electronics Company)

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## Company Overview

PARTNER | SOLVE | DELIVER®

# Product Solutions

## PROXIMITY

### ALIGNMENT

### COUNT

### SPEED AND DIRECTION

### ROTATION ANGLE

### FIELD STRENGTH

### POSITION

### SPEED



## FUNCTION

- Measure Speed
- Measure Speed and Direction
- Measure Count
- Measure Position
- Measure Proximity
- Measure Alignment
- Measure Rotation Angle
- Measure Field Strength



## CATALOG

- Gear Detection Sensors
- Analog Hall Effect Sensors
- Hall Effect and Magneto-resistive Switches
- Ferrous Metal Proximity Sensors
- Speed Switches
- Reed Switches
- Linear Position Sensors
- Angular Position Sensors
- Custom Sensor Types and Accessories



## TARGET

- Gear
- Rack Gear
- Other Ferrous Targets
- Magnets
- Multi-Pole Magnet Tape
- Angular Position Magnet
- Shot Rod

# In-House Capabilities

## MANUFACTURING

- Molded Sensor Packaging & Component Design
- PCBA with Fast Precision Pick & Place
- Component Laser Fabrication
- Laser Product ID Marking (Stainless Steel, Aluminum, and Plastics)
- Sensor Functionality Integrated with Custom Sensor Housings/Packages
- Automated Cable & Wire Prep (Cut/Tin)
- Custom Pigtail Assy's w/ Application-Specific Environmental Protection
- Custom Magnetic Target Packaging In Threaded Bolts & Shaft Collars

- Full/Vacuum Encapsulation & Thermal Curing
- Custom & Catalog Smart Sensors <1 week
- Prototype, 1 Time, and Low-High Volume OEM Production

## ENGINEERING

- Electronic Sensor Engineering
- Rapid PCB & PCBA Design and Testing
- Permanent Magnet Design & Field Calibration
- Mechanical Design & Packaging
- Rapid Prototyping
- Six Sigma Design Methodology

## TESTING & LAB CAPABILITIES

- 100% Critical Characteristics Lot Testing
- Precision Programming, Packaging, & Testing (Allegro, Melexis, Micronas, Other Magnetic Sensors/Sensing Elements)
- Temperature Cycling & Burn-In
- Active Magnetic Field Hall Effect Programming & Testing
- Magnetic Field Calibration
- On-Board Microprocessor Based Sensor Design & Signal Conditioning
- Product Testing Specific to Customer Requirements & Targets

## QUALITY & COMPLIANCE

- ISO9001:2015 Certified
- RoHS Compliant
- Failure Analysis & Preventative Action Planning
- High Quality Stainless Steel, Aluminum, or Molded Nylon Housings

# Applications & Industries

- Aerospace
- Agricultural
- Automotive

- Consumer Electronics
- Heavy Equipment
- Marine

- Manufacturing
- Medical
- Military

- Power Generation
- Renewable Energy
- Transportation

