



# Stoneridge, Inc., Seat Track Position Sensor

## Data Sheet

### Features / Benefits

The Stoneridge Seat Track Position Sensor is contactless, self-contained and completely sealed against the environment. Stoneridge employs an advanced magnetic circuit and retained magnet which operates with a large sensing air gap.

- Fully encapsulated electronics
- Flexible switch points and high gap tolerance
- A family of sensors fits multiple applications
- Low cost designs
- Excellent field performance on several OEM platforms
- Application: Dual Stage Airbags



### Performance Characteristics

#### Electrical

<b>Supply Voltage:</b>	5 - 18 VDC	
	<u>Min</u>	<u>Max</u>
<b>Output Current (Low):</b>	4 ma	7 ma
<b>Output Current (High):</b>	11.9 ma	19.6 ma
<b>Response Time:</b>	5 $\mu$ s	

#### Mechanical

<b>Mounting Features:</b>	Customer Specified
<b>Connector:</b>	Customer Specified
<b>Envelope:</b>	Customer Specified

#### Environmental

<b>Vibration:</b>	Random - 15 g's, 50 hrs/plane
<b>Mechanical Shock:</b>	30 g's, 10 ms half-sine pulse
<b>Operational Temp. Range:</b>	-40°C to 85°C
<b>Thermal Shock:</b>	-50°C to 150°C
<b>Humidity:</b>	95% RH @ 30° - 80°C, 9 days

CONTACT US:

**Stoneridge Inc.**  
**Control Devices Division**  
 300 Dan Road  
 Canton, MA 02021 USA  
 Tel: 781-830-0340  
 sales@stoneridge.com

**North America Sales:**

Stoneridge Inc.  
 28001 Cabot Drive  
 Suite 100  
 Novi, MI 48377 USA  
 Tel: 248-489-9300

**European Sales:**

Stoneridge GmbH  
 Paradiesweg 11  
 73733 Esslingen, Germany  
 Tel: +49 711 9933820

**Asia-Pacific Sales:**

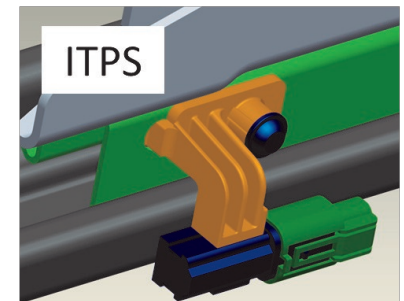
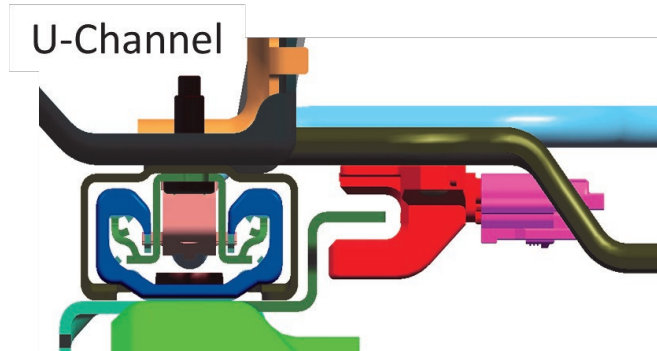
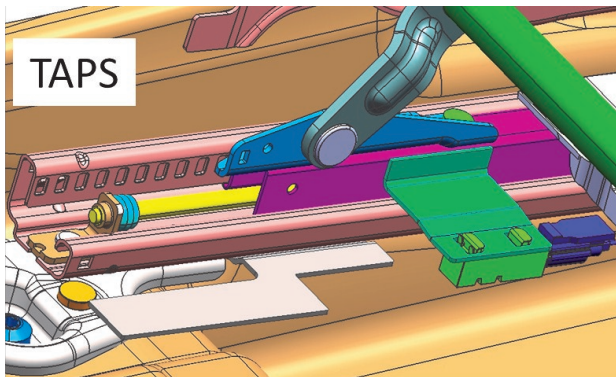
Stoneridge Asia Pacific  
 Electronics (Suzhou) Co., Ltd.  
 Shanghai Branch  
 Room 805 INNOV Tower  
 1801 Hongmei Road,  
 Xuhui District, Shanghai  
 200233  
 P.R. China  
 Tel: +86 21 3395 0304  
 Fax: +86 21 3395 0387

**Stoneridge Korea**

#807 Hangang Posville  
 33-1, Dangsandong-5ga  
 Yeongdungpo-gu, Seoul  
 150-045 Korea  
 Tel: +82-2-2633-0672  
 Fax: +82-2-2633-0673

**Stoneridge Japan**

3-21-2 Helios Kannai Bld.  
 4F Motohama-cho,  
 Yokohama city, Kanagawa  
 Japan 231-0004  
 Tel: +81(0) 45-222-8317  
 FAX: +81(0) 45-222-8283



*Please contact Stoneridge for more details*

**Stoneridge** is an independent designer and manufacturer of highly engineered electrical and electronic components, modules and systems principally for the automotive, light/medium/heavy-duty truck, agricultural and off-highway vehicle markets. Our products provide engineered solutions that improve the efficiency and performance of electric and electronic systems.

The **Control Devices Group** focuses on products that sense, switch and control a specific function. Our key technologies include:

- Electromechanical Actuators
- Customer Actuated Switches
- Emissions Sensors
- Solenoid Coil Valves
- Powertrain Switches and Sensors
- Pressure Switches and Sensors
- Speed Sensors
- Temperature Sensors
- Position Sensors
- Torque Sensors