



Pedal Position Sensors

Pedal Movement Detection

With a rich legacy in pedal manufacturing, we have honed our ability to offer a diverse array of solutions. Our sensors are designed to accurately detect the pedal's position—whether pressed, released, or anywhere in between. This information is crucial for providing feedback to the vehicle's electronic control systems, including the engine control module (ECM) and the anti-lock braking system (ABS).



Large Selection of Capabilities

Customizable products and capabilities ranging from a simple switch to a dual output sensor. Suitable for all types of pedals (accelerators, clutches and brakes). We offer rotary or linear, contacting or non-contacting (Hall-effect and inductive), and we can design a packaged solution to function for your requirements.



Selling a Partnership and a Solution

CTS creates a wide range of building blocks that manufacturers can integrate into vehicle designs, giving engineers more freedom and variation. Our sensor teams can work directly with engineers to package and fit the correct sensor into systems to ensure all requirements are met.

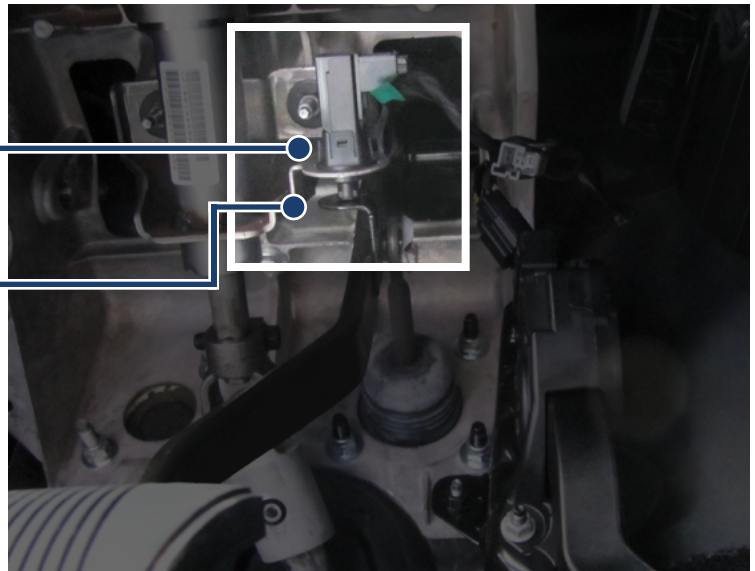


Beyond Combustion

Our expertise goes beyond traditional combustion vehicles and reaches solutions for EV, Off-Road, and Marine applications. Our products are versatile and can be modified to fit more than your typical designs.

Choice of contacting or non-contacting technologies.

Our team can be configure most sensors to fit any design, with dual or single channel sensors



Example Technical Specifications:

Linear Sensor

Parameter	Unit
Supply voltage	5.0±0.25VDC
Sensor Output	0.5-4.5Vdc
Plunger Stroke	15mm
Plunger Force	2.7N-9N
Operating Temperature	-40°C to +85°C
High Temperature Operating	950hrs with 1.2million mechanical cycles
Thermal	1000 Thermal Shock cycles
Humidity	240hrs HTHE (+85°C / 90%RH)
Vibration & shock	12hrs/axis, 1 meter Drop Test
Seal	24h salt fog

Years Of Automotive Experiance

CTS Corporation began expanding into the automotive market in the early 1970's, when the U.S. government first issued requirements for controlling automotive emissions.

Today, we are a leading provider of sensing solutions, smart actuators, and pedals, with a history of delivering sensing solutions for over five decades. With over 100 million automotive sensors in the field, we have the engineering expertise and production capabilities to support a wide array of applications.

Contact Information

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