

| ZERO DISPLACEMENT BRAKE PEDAL ASSEMBLY

FOR ELECTRIC VEHICLES

Revolutionary Brake Pedal Assembly for use within an Electro-Mechanical Brake (EMB) System. This product combines Sensata's Multi Strain Gage Technology with innovative new force sensing elements to provide a travel-free brake pedal solution for vehicles. The design compliments automotive megatrends in electrification and autonomous driving by providing a path to maximize space, weight and material savings within the footwell of the vehicle cabin, all whilst maintaining pedal performance and ease of vehicle integration.



Features

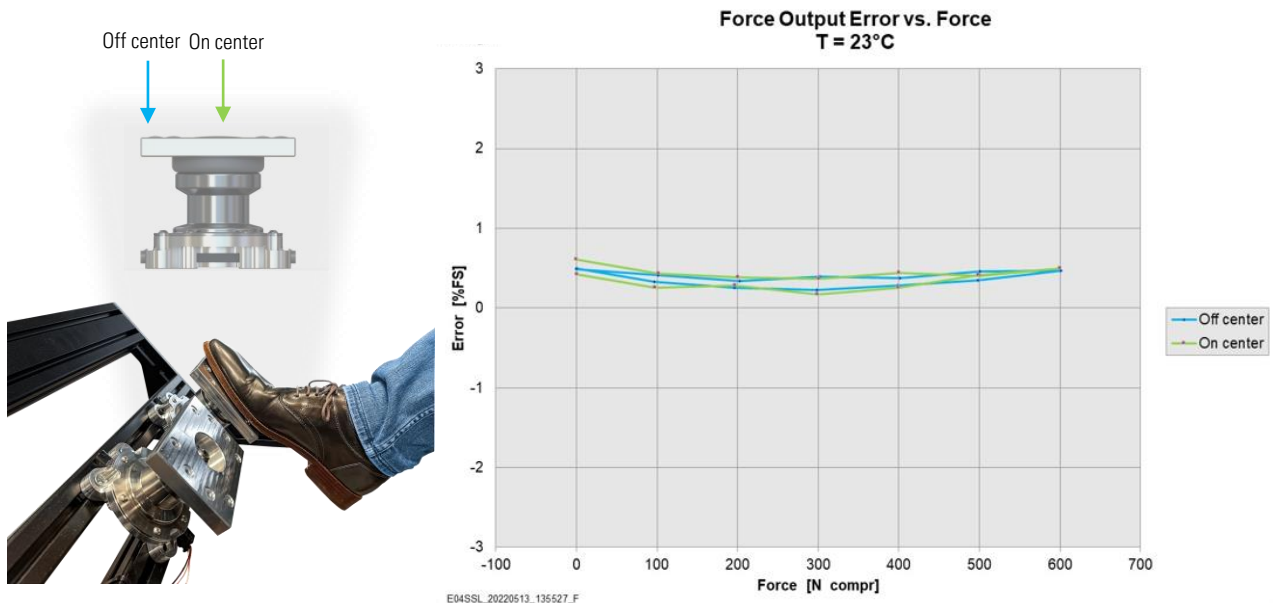
- Robust and proven piezoresistive Micro Silicon Strain Gauge technology
- Compatible with Electro-hydraulic and Electro-Mechanical Brake-by-Wire Systems
- Force range: 0-1000N
- SENT output
- Supports ASIL-D compliance

Benefits

- Compact & light weight pedal assembly design
- Insensitive to parasitic side loads, due to force decoupling feature, patent pending
- Easily integrated

VEHICLE INTEGRATION & PERFORMANCE

Compact design with low integration effort. Ensures high accuracy of force signal output, maintaining consistent performance regardless of the position of force application. Whether applied directly to the center or at the extremes of the pedal, the force output remains unchanged.



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