

Bourns® Automotive
Product Focus
Fuel Management

BOURNS® Automotive Division

Fuel Management Systems



- Bourns is a pioneer in contacting sensor technology
- Longer life ink systems
- High temperature ink systems
- High vibration ink systems
- Single, dual and triple output
- Continued efforts in R&D

Application:

Fuel level sensor assemblies (fuel senders). The fuel level sensor communicates with the vehicle fuel gauge. Bourns can supply individual ceramic fuel resistor cards or assemblies consisting of the fuel card and tank wire harness. They are used in passenger cars, heavy trucks, motor cycles and scooters.

Throttle and Electronic Control



Application:

Provides the throttle angle position to the ECU, application in by-wire systems for better fuel economy and reduced emissions, contacting (potentiometric) and non-contacting (wear-free, MR or x-axis-hall) technology, simplifies the use of cruise and traction control.

Accelerator and Brake Pedal



Application:

Detects the angular position of an accelerator pedal, contacting (potentiometric) and non-contacting (wear-free, MR or x-axis-hall) technology, simplifies the use of cruise and traction control.

 element only

Brake Master Cylinder Position Sensor



Application:

Provides angular position and velocity of a brake pedal, application in electronic brake and retarder control systems for heavy trucks.