

Automotive Sensors

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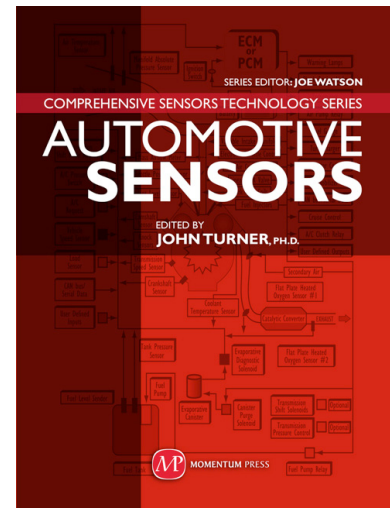
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Description:

Sensors are the eyes, ears, and more, of the modern engineered product or system. The modern automobile would not be what it is today without an entire battery of sensors that monitor, and control, everything from engine performance to passenger safety and comfort. This authoritative reference work, part of Momentum Press's new *Comprehensive Sensors Technology* series, edited by Dr. Joe Watson, will offer a complete review of all sensors and their associated controls systems typically found in the modern automotive vehicle. Readers will find invaluable data and guidance on:

- Automotive “telematics”
- Both on-vehicle sensors as well as outdoor highway sensors for traffic control
- Power train, ignition control, fuel control, emission control, suspension control, braking and traction control
- Use of capacitive sensors for proximity monitoring

Airbags alone require a complex array of sensors to detect weight, speed, and seat occupant characteristics. Choosing the right type of sensor, for cost, efficiency and durability, is crucial the entire success of any modern automotive vehicle. This book help engineers better understand the full range of sensors, from piezoelectric sensors to thermal and flow meters to directional sensors that inform the performance of the vehicle. Author John Turner, concludes his book with future trends in use of telematic sensing systems for traffic control and traffic automation.

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