

2019 Instrumentation & Sensors Research Review

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Abstracts

REPORT SCOPE:

Artificial intelligence, connected cars, Internet of things, cognitive computing, connected living, smart devices and smart appliances are the current technological trends in recent times. These technologies have one thing in common, they are dependent on instruments and sensors. The fusion of different instrumentation and sensor devices is necessary to attain desired outcomes, making this industry a major area for future development of various aspects of daily life.

The use of sensors has expanded beyond the traditional fields of temperature, pressure and flow measurement. The technological advances and the use of micromachining and microelectromechanical systems (MEMS) technologies in microsensors are allowing manufacturers to use more sensors and in turn increasing number of sensors on a microscopic scale.

The use of sensors is proving to be a revolution, as they are used in for, diagnostics in medical industry for various application and devices, space exploration and research, improved performance of solar power, fuel cell and batteries, improved safety and security; intelligent and self-learning systems, driverless cars and many more. The sensors industry is progressing rapidly and with technological advancements it has become an integral part of everyday life for us.

Research Reviews from BCC Research provide market professionals with concise market coverage within a specific research category. These Research Reviews include portions of several market research reports that were published in 2019 and are an efficient way for market professionals to keep up with the general market developments of 2019.

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