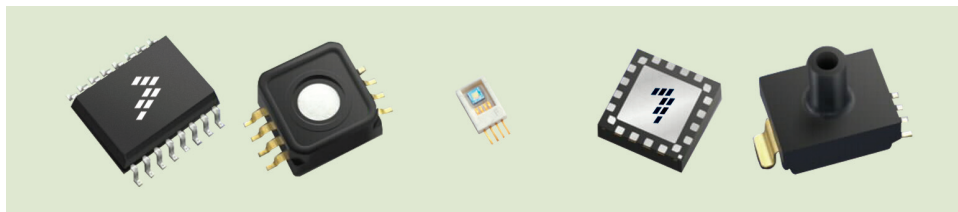


Sensor Solutions



Overview

Over the past 25 years, Freescale Semiconductor's* Sensor Products Division has supplied the world with more than 400 million MEMS-based sensors. With Freescale's heritage of innovation, we are committed to expanding our sensor portfolio to support our customers' development of smarter and more efficient electronic solutions.

Consumer/Commercial

- > Appliance balancing and monitoring
- > Black boxes/event recorders
- > Smart portable electronics
- > Camcorder stability
- > Hard disk drive protection
- > Weather station
- > Anti-theft devices
- > Vacuum cleaners

Health Care Monitoring

- > Blood pressure (BP) monitor
- > Invasive BP monitor
- > Intrauterine BP monitor
- > Hospital bed controls
- > Respirators
- > Sleep apnea
- > Sports medicine

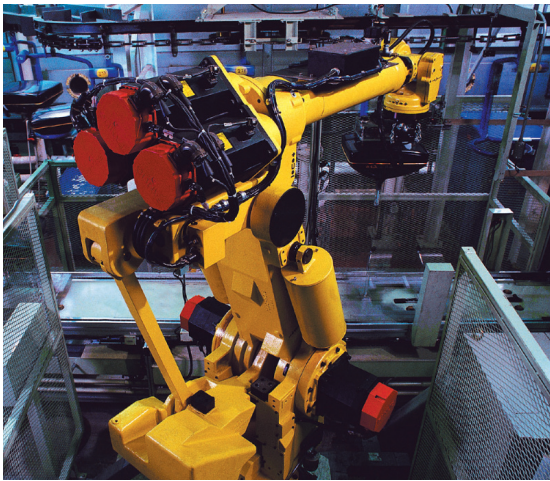
- > Dialysis equipment
- > Drug delivery for inhalers
- > Physical therapy

Industrial

- > Process control
- > Flow control and measurement
- > HVAC systems
- > Building airflow control
- > Factory automation
- > Boiler pressure indicators
- > Liquid level measurements
- > Seismic monitor
- > Smart motor maintenance
- > Robotics

Automotive

- > Tire pressure monitoring
- > Fuel level sensing
- > Brake booster
- > Manifold absolute pressure
- > Barometric absolute pressure
- > Seat controls
- > Occupant detection and safety
- > Airflow indicators
- > Trailer brake controls
- > Vehicle navigation



How Much? How Fast? How Far? Help Make Your Product Smarter With Sensor Technology

Creating new technologies that can “sense” and interact with the systems around them are becoming essential to the way we live, work and play. With designers facing new challenges to create “smarter” products, Freescale’s Sensor Products Division is dedicated to meeting the needs of this constantly evolving and expanding market.

Today’s Freescale sensors include acceleration, pressure, and safety and alarm integrated circuits (ICs). The acceleration family has expanded from the high g ranges to include the low g ranges, making the total range of availability from 1.5g to 250g. This portfolio expansion benefits those products requiring sensors that can detect small changes in force resulting from tilt, motion, positioning, shock or vibration.

The pressure family has expanded package options that are very small and offer a variety of porting configurations.

The safety and alarm IC family consists of both photoelectronic and ion products. We are one of the world’s largest suppliers of safety and alarm ICs.

No matter which Freescale sensor product family you choose, our commitment is to work closely with you to ensure that the products in our portfolio meet your most challenging sensor applications.

Smaller is better when it comes to our packaging. We are committed to package development that addresses your unique needs. This cutting-edge, smaller

packaging is developed without compromising the design, function or manufacturability of your application. Numerous package porting options are available to fit your products. Freescale sensors packaging technology provides a cost-effective solution for your specific products.

One of Freescale’s principle objectives is to meet your market needs. We listen to you and turn your requests into products. Our core competency is new product development using processes in place to shorten the development cycle time. Our goal is to design products that ensure your customer satisfaction and provide value the first time, every time. Freescale sensors are also able to leverage complementary technologies from the corporation to strengthen your global competitiveness in the expanding marketplace.

Freescale’s Sensor Products Division is where customer support and future direction work in tandem. As we work with you to meet your rapidly changing needs for small, cost-effective sensors, our technology is continuously expanding and evolving. You can count on our sensors to detect, monitor and provide real-time feedback in your application environment. Contact us to learn what we can do for you.

Learn More: For more information about Freescale products, please visit www.freescale.com.

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SENSORSOLUTFS
REV 1

Launched by Motorola
freescale™
semiconductor