

### **Tutorial 3: Magnetic Field Sensors**

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The objective of this tutorial is to introduce magnetic field sensing to an audience that is not familiar with it. Applications and several magnetic field sensing technologies will be discussed. The majority of the tutorial will be spent on Hall-effect sensing, which is the most widely used technology. In particular, the tutorial will focus on integrated, silicon-based Hall sensors. Key performance characteristics of the sensing element will be explained. Also, attendees will have access to hand-on demonstrations to help them better understand Hall-effect sensors.