

# Integrated Compassing Solutions

Magnetic sensing solutions designed for accuracy, sensitivity, and reliable measurements of external magnetic fields for compassing and magnetometry.



All of our integrated compassing solutions are digital, three-axis, tilt compensated devices.

## **HMC6343 Three-Axis Compass with Algorithms**

The HMC6343 is a 9.0mm by 9.0mm by 1.9mm multi-chip module with a universal asynchronous receiver transmitter (UART) interface plus command compatibility with the HMR3300 compass solutions. The HMC6343 contains all sensors, microcontroller and analog support circuits; plus all the firmware for heading computation and hard iron calibration.

## **HMR3000 Digital Compass Module**

The HMR3000 is an electronic compass module providing heading, pitch and roll information. Heading accuracy is 0.5 degree with 0.1 degree resolution. Tilt range is +/-40 degrees.

## **HMR3300 Digital Three-Axis Compass**

The HMR3300 is a three-axis, tilt compensated compass that uses a two-axis accelerometer for enhanced performance up to a 60° tilt range. Heading accuracy is 1 degree with 0.1 degree resolution and 0.5 degree repeatability.



### **Product Discontinued**

The HMR3000 compass module has been discontinued. For current product offerings, please see [Magnetic Sensors and Transducers](#).

