

# HMC5883L

## Errata Sheet

---

During testing of the new HMC5883L parts, the following issues were identified:

1. The current consumption in all modes is 27  $\mu$ A higher than specified in the HMC5883L datasheet.
2. In the event the ADC reading overflows or underflows for the given channel, or if there is a math overflow during the measurement, the data register will contain the value 0 or half the expected value. To ensure this condition is avoided, use a gain register setting that allows for sufficient dynamic field range for your application.

Please note that these discrepancies are found in the parts you are receiving and will be corrected in the units scheduled for Q1 2011.

### FIND OUT MORE

For more information on Honeywell's Magnetic Sensors visit us online at [www.honeywell.com/magneticsensors](http://www.honeywell.com/magneticsensors) or contact us at 800-323-8295 (763-954-2474 internationally). For technical support email us at [magnetic-support.ssec@honeywell.com](mailto:magnetic-support.ssec@honeywell.com).

The application circuits herein constitute typical usage and interface of Honeywell product. Honeywell does not warranty or assume liability of customer-designed circuits derived from this description or depiction.

Honeywell reserves the right to make changes to improve reliability, function or design. Honeywell does not assume any liability arising out of the application or use of any product or circuit described herein; neither does it convey any license under its patent rights nor the rights of others.

Honeywell  
12001 Highway 55  
Plymouth, MN 55441  
Tel: 763-954-2474, 800-323-8295  
[www.honeywell.com/magneticsensors](http://www.honeywell.com/magneticsensors)

July 2010  
©2010 Honeywell International Inc.

**Honeywell**