

**Quality Assurance
Coordination Memo**

Honeywell International, Inc
12001 State Highway 55
Plymouth, MN 55441

PRODUCT NAME	HMC1052L	REF. NUMBER	QA14-001
Customer	All HMC1052L customers	Initial Issue Date	16 April, 2014
Attention	Quality or Contract rep	Issue # / Date	1
Cord Memo Type	Quality Communication	Originator	W. Orf Quality Manager
Status	Open		

SUBJECT: HMC1052L Atypical Repeatability Error

Scope of Product Affected

Honeywell HMC1052L parts marked (bottom line) with Lot “292” or later. Parts of the affected date codes have been shipping since 2Q2013.

Description of Condition

Parts have been observed to exhibit atypical noise performance for Repeatability Error at some portion of Set/Reset current range for the HMC1052L. Parts using a Set/Rest pulse above 700mA may show repeatability that is above the “Typical” value listed in the datasheet.

Characteristics	Conditions*	Min	Typ	Max	Units
Bridge Elements					
Repeatability Error	3 sweeps across ± 3 gauss		0.1		%FS

System Effects

Effect of this repeatability error depends on the application but may show degraded sensor performance.

Disposition/Recommendations

This behavior has been observed in a single customer-specific application, and is not thought to affect most customer uses at typical current range for Set/Reset current. Customers are advised to maintain Set/Reset currents between 400mA and 700mA to achieve the best possible performance of the sensor where repeatability is critical for the customer system. If you have any questions, please contact customer service at 1-800-323-8295.

Honeywell Actions

Honeywell is investigating the cause of the atypical parametric variation.

This information is consider proprietary and confidential to Honeywell. If you are not the intended recipient, you are hereby notified that any form of dissemination of this communication is strictly prohibited. If this information was sent to you in error, please immediately notify us by phone.