Customer Product / Process Change Note (PCN): Change to CCS801 datasheet electrical characteristics

Change ref. No.: 01-2017
Products affected: CCS801B
Datecode affected: All

Type of change
☐ Material  ☑ Product  ☐ Process  ☐ Equipment  ☐ Specifications  ☐ Other

Change Justification and Description

Please be informed that ams is issuing a new revision of the datasheet for CCS801B product, with the following changes:

1. **Electrical Characteristics** – The sensor resistance in Clean Air (Ra) range has changed from 200kΩ - 1.4MΩ to 10kΩ - 1.6MΩ

2. **Sensor Performance** – CCS801 performance in terms of resistance levels and sensitivities will change during early life use. The change in resistance is greatest over the first 48hrs of operation. ams advises customers to run CCS801 at $V_H$ for 48 hours of operation to ensure sensor performance is stable.

The resistance and burn-in specification changes have been made to align with other products in the CCS8xx range.

The resistance change may impact the function and performance of customer hardware, and therefore needs to be considered during product development.

Supporting Data

No change to CCS801B materials or process flow has occurred.

There is no change in terms of form, fit or reliability of the product and no qualification report is required for this change.

However, resistance specification alignment may require customer consideration of circuit hardware.

Identification of changed product

CCS801B

Change Classification

☐ Minor  ☑ Major

Change Implementation Date: 11th January 2016

Customer Feedback

Please acknowledge receipt of this change note by replying to sales-europe@ams.com, cs-americas@ams.com, or sales-asia@ams.com.

ams sensors UK is notifying you of this datasheet change. If you have any further questions, please contact sales-europe@ams.com, cs-americas@ams.com, or sales-asia@ams.com.

Please forward any further queries regarding this change to sales-europe@ams.com, cs-americas@ams.com, or sales-asia@ams.com keeping your account manager in copy.

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