

**Information Letter Number:** 243401, Version 2

**Date:** 09.09.2024

**Title:** SCD4x Moisture Sensitivity Level Improvement

**Product Identification:** SCD40 (Art. Nr. 3.000.496 and 3.000.521)  
 SCD41 (Art. Nr. 3.000.960 and 3.000.961)

**Reason for Change:**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Design                 | <input type="checkbox"/> Production          | <input type="checkbox"/> Logistics          |
| <input type="checkbox"/> Manufacturing Location | <input type="checkbox"/> Quality/Reliability | <input checked="" type="checkbox"/> Upgrade |

**Change Description:**

This Infoletter covers a change in the Datasheet specifications given for the SCD4x family of CO<sub>2</sub> sensors, and a minor change to the ESD-bag labelling and content resulting from this.

*Specification improvement to Moisture Sensitivity Level 1:*

SCD40 (Art. Nr. 3.000.496 and 3.000.521) and SCD41 (Art. Nr. 3.000.960 and 3.000.961) sensors, originally specified with a Moisture Sensitivity Level of 3 (MSL3), are respecified with a Moisture Sensitivity Level of 1 (MSL1) according to IPC/JEDEC J-STD-020. This improvement to the Datasheet specifications is enabled by the results of extensive sensor testing over time. It is not related to any changes to sensor hard- or firmware, therefore the moisture sensitivity level reclassification is applicable also retroactively for SCD4x of the respective part numbers shipped previously.

*Resulting minor change to the ESD-bag content & labelling:*

ESD-Bags within which SCD4x sensor reels are shipped will no longer include dessicant, a humidity indicator card or exterior MSID and caution labels in accordance with IPC/JEDEC J-STD-033.

**Identification Method to Distinguish Change:** Not applicable

**Samples:**

- |                                    |   |  |
|------------------------------------|---|--|
| <input type="checkbox"/> available | <input type="checkbox"/> will be available in | <input checked="" type="checkbox"/> not applicable |
|------------------------------------|---|--|

**Quantifiable Impact on Quality & Reliability:** No impact on form, fit, function or reliability

**Estimated Implementation Date:**

An updated SCD4x Datasheet will be released on 09.09.2024 to reflect this improvement. The moisture sensitivity level reclassification is applicable with immediate effect also for any SCD4x of the respective part numbers shipped previously.

First reels with adapted ESD-bag content & labelling are expected to ship in late September 2024. The exact crossover date depends on supply and demand.

**Sensirion Contact:** Your established sales contacts

If you have questions with regard to this Information Letter, please reach out to your established Sensirion sales contact.