

**Information Letter Number:** 224901

**Date:** 09.12.2022

**Title:** SCD41, SCD4x Product Family Upgrade

**Product Identification:**  
SCD41

**Reason for Change:**

Design

Production

Logistics

Manufacturing Location

Quality/Reliability

Upgrade

**Change Description:**

This Infoletter covers a set of changes to the SCD41, part of the SCD4x product family.

*Increased peak reflow soldering temperature*

The peak reflow soldering temperature for the SCD4x is increased from 235°C to 245°C for closer alignment with reflow soldering standards (IPC/JEDEC J-STD-020). The increased peak reflow soldering temperature will have no impact on sensor function and any previously established reflow profiles can be maintained.

*Second source for the microphone*

A 2<sup>nd</sup> source for the microphone (a sub-component of the SCD4x products) has been established to increase the resilience of the supply chain. The 2<sup>nd</sup> source has been qualified to meet equivalent performance as the 1<sup>st</sup> source. Both sources may be used interchangeably on any of the SCD4x product family members.

*Device marking*

A laser marking on the side of the cap will be introduced containing the product type (e.g. SCD40) and serial number within a QR code. The laser marking will have no impact on dimensions or function of the cap.

*SCD41 specification revision*

The accuracy specification of the SCD41 will be upgraded as follows:

Concentration range:	400 -1000 ppm	1001 – 2000 ppm	2001 – 5000 ppm
SCD41 today	±(40 ppm + 5% of reading)		
SCD42 today	±75 ppm	±(40 ppm + 5% of rdg.)	Not specified
SCD41 April 2023	±(50 ppm + 2.5% of rdg.)	±(50 ppm + 3% of rdg.)	±(40 ppm + 5% of rdg.)

Samples of the upgraded SCD41 will be available from February 2023 and shipments from April 2023.

**Identification Method to Distinguish Change:** new laser marking on cap

**Samples:**

available

will be available February 2023

not applicable

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

**Estimated Implementation Date\*:** April 2023

\* The Estimated Implementation Date is the forecasted date that a customer may expect to receive changed product. This may be affected by fluctuations in supply and demand.

**Sensirion Contact:** Your established sales contacts

If you have questions with regard to this Information Letter, please send them to the Sensirion contact e-mail address listed above.