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 2nd source for the microphone (a sub-component of the SCD4x products) has been established to increase the resilience of the supply chain. The 2nd source has been qualified to meet equivalent performance as the 1st 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 New version	±(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 first shipment from 22.05.2023.

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*: 22.05.2023

** 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.