



CERTIFICATE OF VALIDATION

Document Number	###-####
Document Date	xx-xx-xxxx
Document Type	Validation of Accuracy
Unit Description	-----
Units Covered	[Model, Quantity]

Accuracy

Pxx reads temperatures with a stated accuracy of $\pm x^{\circ}\text{C}$ from $-x^{\circ}\text{C}$ to $+x^{\circ}\text{C}$. Per the sensor manufacturer (Silicon Labs), all sensors within Pxx are individually tested and calibrated at the time of manufacture to ensure that factory accuracy specifications are met. All factory calibration adjustments are entered through software and are stored in non-volatile memory within the device. All factory calibrations are performed against temperature standards established by the National Institute of Standards and Technology (NIST). All factory calibrations are performed using equipment that is calibrated on a regular basis by an ISO/IEC 17025 laboratory.

Sampling

Temperature readings are verified with a platinum RTD thermometer. A Fluke 1504 is used to read the thermometer. The devices are immersed in a Fluke 7060 oil bath during measurements. Temperature calibration checks are done from -40°C to $+125^{\circ}\text{C}$ in 10°C increments.

Accuracy Statement

Verigo certifies that the sensors contained within the assembled units listed below have been factory tested and calibrated to meet or exceed the published specifications for temperature measurement. This certificate shall not be reproduced, except in full, without the written consent of Verigo.



All Pxx units with Serial Numbers in the following range(s)	Date of Factory Calibration	Factory Calibration Pass/Fail
[SN]	[Calibration Date]	PASS

SAMPLE



October 4, 2016: To date, no significant changes have been made to the factory calibration procedures used by Silicon Labs for calibrating and testing the devices listed in the document below. All devices continue to be calibrated as described, by a laboratory operating in accordance with ISO/IEC 17025 and using standards traceable to NIST. **This Certificate of Calibration, originally dated June 2015, from Silicon Labs remains valid and current for all devices listed.**



June 9, 2015

Certificate of Calibration

This certificate applies to the following devices or series of devices as furnished by Silicon Laboratories:

Si7005	Si7006	Si7007
Si7013	Si7015	Si7020
Si7021	Si7022	Si7023
Si7034	Si7050	Si7053
Si7054	Si7055	

In order to insure that the datasheet specifications and any agreed-upon customer specific requirements have been met, each sensor has been calibrated under controlled temperature and relative humidity conditions.

This calibration has been done using equipment that is calibrated on a regular basis by a laboratory that is certified to operate in accordance with ISO/IEC 17025 and is a member of the International Laboratory Accreditation Cooperation (ILAC) and a signatory of the ILAC Mutual Recognition Arrangement (MRA).

The temperature and humidity standards (transfer standards) used for calibration are traceable via these accredited laboratories to standards set by the National Institute of Standards and Technology (NIST).

Each device has undergone functional testing following calibration.

A handwritten signature in blue ink, appearing to read 'Steve Prince'.

Steve Prince
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