23 January 2018

NOTIFICATION OF CHANGE

Dear Valued Customer:

Re: TempTale®4 Humidity Monitor Upgrade

As part of Sensitech's continuous process improvement initiative, the TempTale®4 (TT4) Humidity monitor is being enhanced to include a tighter temperature accuracy specification and a higher precision LCD display. This upgrade was achieved by replacing the existing 4-bit microcontroller unit (MCU) with an 8-bit MCU, as well as, a firmware upgrade that will allow this upgraded MCU to interface to an enhanced humidity sensor. The upgraded TT4 Humidity monitor will begin shipping to customers after 01 April 2018. Please note that the upgraded 8-bit MCU platform has been implemented in the TT4 2K/16K Ambient monitor which has been reliably shipping to both Life Science and Food customers for over 8 years now.

Important Dates:

The release of the upgraded TT4 Humidity monitor effectively discontinues the current version of TT4 Humidity monitor.

1. **Effectivity Date:** 01 April 2018 (Upgraded TT4 Humidity monitor starts shipping to customers)

2. **End of Sale Date:** 31 July 2018 (Last date to order current version of TT4 Humidity monitor)

3. **End of Support Date:** 31 July 2019 (Last date of support for current version of TT4 Humidity monitor)

Description of Enhancements:

Effective <u>01 April 2018</u>, the Temperature Accuracy Specification for Sensitech's TempTale®4 Humidity monitor will change from +/-0.55°C to +/-0.5°C. For comparison, the improved accuracy specification and the current accuracy specification are as follows:

New Accuracy Specification*:

+/-1.1°C from -30°C to -18°C (+/-2.0°F from -22°F to 0°F)
+/-0.5°C from -18°C to +50°C (+/-0.9°F from 0°F to +122°F)
+/-1.1°C from +50°C to +70°C (+/-2.0°F from +122°F to +158°F)

Current Accuracy Specification:

+/-1.1°C from -30°C to -18°C (+/-2.0°F from -22°F to 0°F)
+/-0.55°C from -18°C to +50°C (+/-1.0°F from 0°F to +122°F)
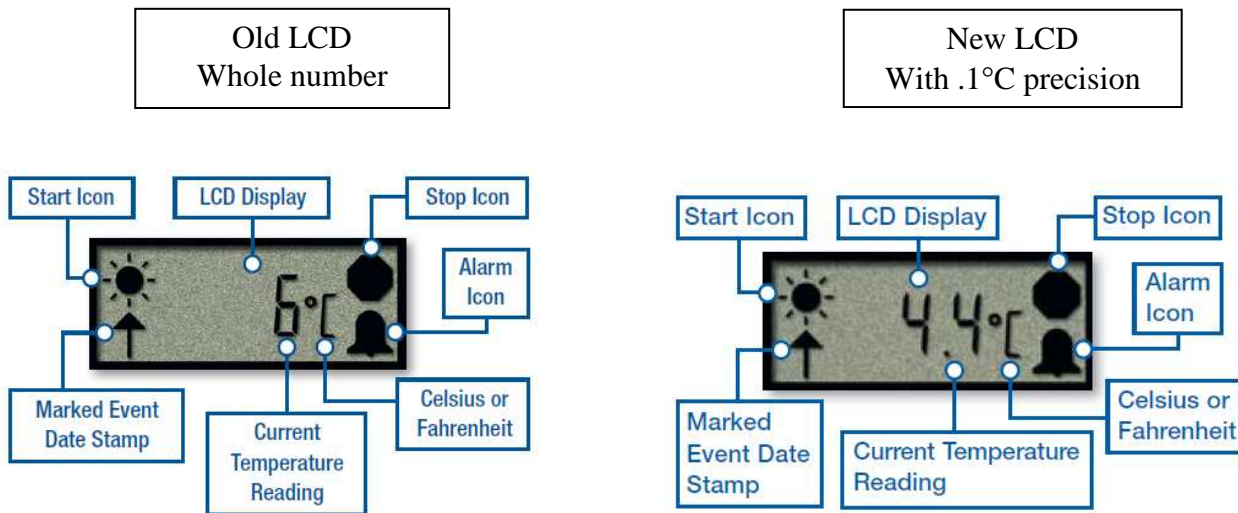+/-1.1°C from +50°C to +70°C (+/-2.0°F from +122°F to +158°F)

*The new test set-point tolerances for accuracy validation will appear on all 3-Point Certificates of Calibration.

Please note that all housing dimensions and packaging, as well as, all operational and performance specifications, except for those specified above, remain unchanged.

LCD Change:

The higher precision LCD will show temperature values to a tenth of a degree (.1°C/°F) instead of a whole degree temperature value.

Previous and new LCD temperature displays are shown below.

Old LCD Whole number	New LCD With .1°C precision

Software Compatibility:

All versions of TempTale Manager Desktop (TTMD) software, ColdStream™ Cold Chain Manager (CCM) web-enabled application software and Interface Plus Readers are fully compatible with the upgraded TT4 Humidity monitor.

Validation Tools

The current TT4 Humidity Monitor Validation Package will be updated to Revision B to include all testing to validate the above changes. This Validation Package is currently available in electronic (PDF) format only and be ordered through Client Services.

Sales Ordering Information

You will continue to order TT4 Humidity monitors using the same catalog numbers. All existing catalog numbers will be updated to include the new product ID's that will be generated as a result of this component upgrade being implemented in all TT4 Humidity monitors.

Client Services Support

Should you have any questions regarding this notification or if you would like to request the link to download the updated TT4 Humidity Validation Package, please contact your local Client Services Representative or one of our Regional Headquarters:

USA World Headquarters:	1-800-843-8367 or +1-978-927-7033
South America:	+56-2-941-6600
EMEA:	+31-252-211-108
Asia:	+852-2542-6813

Client Services Representatives can also be reached via email: clientservices@sensitech.com.

Thank you for your continued support of Sensitech and our supply chain monitoring solutions.

Sincerely,

Al De Leo

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