Humidity Transmitter Calibration Interval

Date: Oct 31, 2011

Re: BAPI Humidity Transmitter Recommended Calibration Interval

Building Automation Products Incorporated (BAPI) certifies that the item above items have been produced, inspected, and tested in compliance with applicable drawings, specifications, and standards by the manufacturer. The product meets or exceeds published specifications and has been calibrated using applicable quality standards, such as but not limited to, the National Institute of Standards and Technology (NIST), natural physical constants, or established ratio type self-calibration techniques.

However, due to the critical monitoring nature some uses require re-certification or re-calibration according to the manufactures recommendations. This document shall serve notice that under the normal operating conditions (relatively clean) all RH transmitters drift slightly with time and installation conditions. Due to this slight drift, BAPI recommends that any RH transmitter should be tested and re-certified after 3 years using a minimum of a one point NIST certification process and as needed re-calibration. If the environment is very dirty or dusty or the control is critical then this recertification time could be as short as 1 year. Due to unpredictable field conditions this procedure can only be done at the factory in laboratory conditions using NIST traceable equipment, procedures and standards.

A quick field check once a year can be conducted with an NIST traceable hand held solid state RH meter. Compare the hand held meter results to the field installed RH transmitter output. If the RH transmitter under test is greater than 6% different from the hand held meter then a laboratory test and/or recalibration would be recommended. Possible replacement may be required depending on the severity of the application wear and tear.

Sincerely,

Eric Karl

Eric Karl

BAPI Product Manager

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