

Certificate of Calibration

Manufacturer:	Sensirion AG, Switzerland
Product:	SHT15/SHT75
Lot No:	N/A

Test Method

The above mentioned products were calibrated to manufacturer's specifications according to Sensirion Procedure Instruction 1-900009.

The devices were individually contacted and mounted into a Thunder Scientific precision humidity chamber. A MBW DP30 precision dew point hygrometer (chilled mirror principle) was used as reference.

Two different temperatures (25°C and 42°C) were used for a two-point temperature calibration.


Three different humidity's (22%RH ,67%RH and 82%RH) were used for the humidity calibration.

After calibration the sensors were tested for accuracy by cycling through 20, 50, 90, 50 and back to 20 % relative humidity at 25°C and 42°C. Measurements were automatically evaluated for accuracy. Only devices which passed all tests 100% were shipped.

Test Results

Reference	Environment	Units	Set Point	Allowable Tolerance	Typical Cpk
Relative Humidity low	25°C	%RH	20.0	± 2.0	> 2.0
Relative Humidity	25°C	%RH	50.0	± 2.0	> 2.0
Relative Humidity high	25°C	%RH	90.0	± 2.0	> 2.0
Relative Humidity	42°C	%RH	50.0	± 2.0	> 1.8
Temperature Low	20%RH	°C	25.0	± 0.4	> 2.0
Temperature High	20%RH	°C	42.0	± 0.4	> 1.5

Date: June 12, 2003

Responsible Engineer 

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