

# Calibration Services for Humidity and Temperature Transmitter Series HMT330

Please fill in the model, serial number and order code with the selected options:

<b>Model:</b>	<b>Serial no:</b>	<b>Code: 221150</b>								<b>A</b>
<b>Probe</b>		HMT331 HMT333 HMT334 HMT335 HMT337 HMT338	<b>A</b> <b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b>							
<b>Calibration class</b>		ISO/IEC 17025 Accredited calibration ISO 10012 Compliant calibration	<b>A</b> <b>B</b>							
<b>Temperature calibration</b> <b>NOTE 1</b>		No calibration/one-point calibration at +23 °C 0, +20 and +40 °C +17.5, +20.0, +22.5, +25.0 and +27.5 °C +17.5, +20.0, +22.5, +25.0, +27.5, +30.0, +32.5 and +35.0 °C -20, 0, +20, +40 and +60 °C 0, +20, +40, +60, +80 and +95 °C -40, -20, 0, +20, +40 and +60 °C 0, +10, +20, +30, +40, +50 and +60 °C -40, -20, 0, +20, +40, +60 and +80 °C -60, -40, -20, 0, +20, +40, +60 and +80 °C -60, -40, -20, 0, +20, +40, +60, +80, +100 and +120 °C 0, +20, +40, +60, +80, +100, +120, +140 and +150 °C -80, -60, -40, -20, 0, +20, +40, +60, +80, +100, +120, +140 and +150 °C Free point 1: Free point 2: Free point 3: -70, -60, -40, -20, 0, +20, +40, +60, +80 and +100 °C	<b>A</b> <b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b> <b>G</b> <b>H</b> <b>I</b> <b>J</b> <b>K</b> <b>L</b> <b>M</b> <b>N</b> <b>O</b>							
<b>Humidity calibration</b> <b>NOTE 2</b>		No calibration 0.1, 11, 33, 53 and 75 %RH 0.1, 11, 33, 53, 75, 85 and 97 %RH	<b>A</b> <b>B</b> <b>C</b>							
<b>Adjustment</b>		No adjustment Adjusted for optimum performance	<b>A</b> <b>B</b>							
<b>Calibration methods</b> <b>NOTE 3</b>		Measurement via digital interface Measurement via digital interface and analog outputs	<b>A</b> <b>B</b>							
<b>Results reported, temperature and humidity</b>		%RH and °C %RH, °C and °F	<b>A</b> <b>B</b>							
<b>Additional reporting</b>		No additional reporting Dew-point temperature, T <sub>d</sub> , °C Dew-point temperature, T <sub>d</sub> , °F Absolute humidity, a, g/m <sup>3</sup> Mixing ratio, x, g/kg Wet bulb temperature, T <sub>w</sub> , °C Wet bulb temperature, T <sub>w</sub> , °F	<b>A</b> <b>B</b> <b>C</b> <b>D</b> <b>E</b> <b>F</b> <b>G</b>							
<b>Language of the Certificate</b>		Certificate in English	<b>A</b>							

- NOTE 1:** Selected calibration range shall not exceed the measurement range of the transmitter and/or probe.  
 Please note that the temperature calibration for the HMT331 transmitter is made at climate chamber with electronics at measurement temperature, all other transmitters are calibrated with electronics at room temperature.
- NOTE 2:** Please note that the humidity calibration is performed using saturated salt solutions at room temperature.  
 Please note that one-point temperature calibration at +23 °C temperature is included into the humidity calibration.
- NOTE 3:** The analog outputs are read at same temperature and humidity points as digital outputs. If the scaling of the analog output is different than the measurement range only the measurement points inside scaling are reported.



Print this order form  
Fill out the required information  
Pack instrument carefully  
Include filled form into the package  
Send to Vaisala

P.O. Box 26, FI-00421 Helsinki, Finland  
Tel. +358 9 894 91  
Fax. +358 9 8949 2790  
Email: [helpdesk@vaisala.com](mailto:helpdesk@vaisala.com)  
[www.vaisala.com](http://www.vaisala.com)

**Please fill in the end customer information for Certificate:**

End customer	
Order received and approved	



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[www.vaisala.com](http://www.vaisala.com)