



Humidity and Temperature Transmitters

RHT-WM and RHT-DM



- Loop power supply (2-wire)
- Metal or plastic probe

- Dew point calculation
- Adjustable measurement ranges



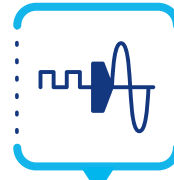
WALL MOUNTING



DUCT MOUNTING



ISOLATED ANALOG OUTPUTS



0.0008 mA: ANALOG OUTPUT RESOLUTION



OUTPUT FORCING AND DIAGNOSTICS

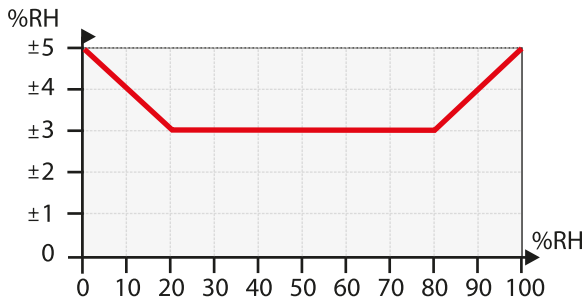
The **RHT-WM** and **RHT-DM** transmitters have highly accurate and stable sensors for measuring relative humidity and temperature. The measured values are converted into 4 to 20 mA output signals that are linearly related to their readings.

Since they are microprocessor-based devices, it is possible to use the **TxConfig-USB** communication interface and the **SigNow** app or software, available for Android and Windows, to configure them. Outputs can be configured to transmit temperature, relative humidity or dew point.

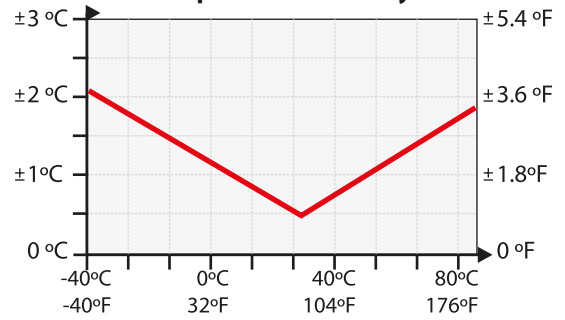
The **RHT-WM** model must be wall-mounted. The **RHT-DM** model has an extended sensor probe to be mounted in ducts or through walls.

Measurement Accuracy and Sensor Operating Limits

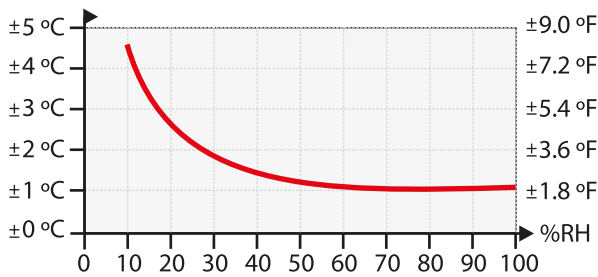
Relative Humidity Accuracy @25°C



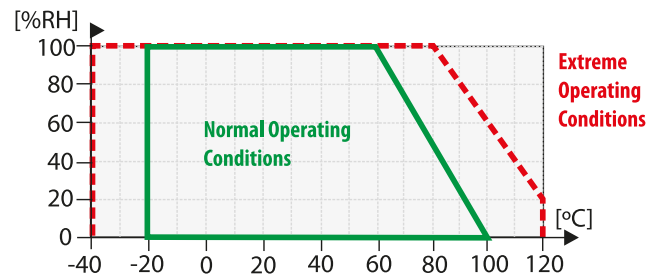
Temperature Accuracy



Dew Point Accuracy @25°C



RH Sensor Operating Conditions



Technical Specifications



| | RHT-WM | RHT-DM |
|--|---|-------------------------------------|
| Humidity Measurement | Configurable between 0 and 100 % RH | |
| Temperature Measurement | Configurable between -20 and 70 °C | Configurable between -40 and 120 °C |
| Dew Point Measurement | Configurable between -100 and 103 °C | |
| Outputs | 4-20 mA or 20-4 mA current, 2-wire type - loop powered | |
| OUT1 and OUT2 Resolution | 0.0008 mA (4-20 mA) | |
| Output Isolation | 4-20 mA isolated outputs | |
| Rod Material | - | SS316 or PA-GF |
| Rod Length | - | 150 or 250 mm |
| Protection Index | Electronic module housing: IP65 Sensor housing: IP40 | |
| Certifications | CE Mark | |
| Internal Protection Against Reversal Polarity of Voltage Supply | | |

Temperature & Process Instruments, Inc.
 1767 Central Park Ave. Suite 112 Yonkers, NY 10703
 Phone: 914-673-0333
 Web Site: www.tnp-instruments.com