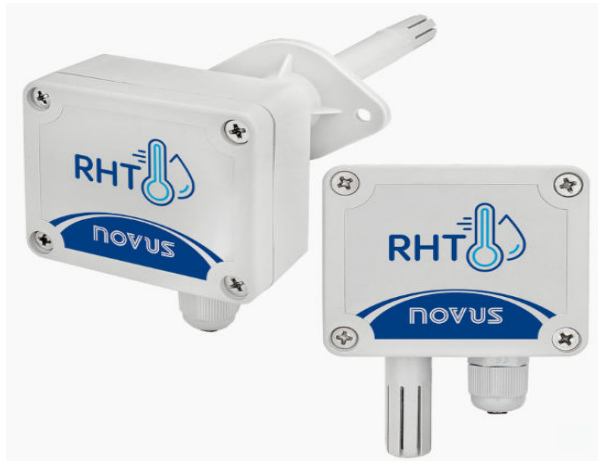


RHT Humidity & Temperature Transmitter



In modern agriculture maintaining stable temperature and humidity can directly affect product quality, energy efficiency and operational reliability.

The RHT-WM and RHT-DM humidity and temperature transmitters provide continuous monitoring of temperature, relative humidity, and dew point, making them suitable for applications ranging from greenhouses and cold storage, to HVAC systems and laboratories.

Consider a commercial greenhouse growing tomatoes. Excessive humidity can encourage pathogens, while temperatures outside the optimal range can strain plants and reduce yield. The RHT-WM can be installed on an internal wall where it would continuously measure conditions within temperature accuracy of ± 0.4 °C and humidity accuracy of $\pm 3\%$ RH. The 4–20 mA.

Additionally, the two-wire loop-powered output would send the measurements directly to a PLC or SCADA system. If the humidity continued to rise beyond the configured limit, the control system could activate ventilation or dehumidification equipment automatically.

When it comes to a duct installation for a HVAC system that supplies and removes air from a cleanroom, the RHT-DM would provide a practical alternative. Its 150 mm or 250 mm remote probe could be positioned inside the duct, allowing accurate measurement in locations that are difficult to access. The transmitter would support temperatures from -40 to 120 °C and humidity from 0–100% RH, under non-condensing conditions.

Both models feature rugged IP65 housings and can be configured or calibrated using the SigNow software on Windows or Android. With stable sensors, continuous measurement, and straightforward integration into agricultural or industrial automated systems, the RHT-WM and RHT-DM can turn environmental data into actionable and controlled readings.

Call us for more information on humidity & temperature transmitters.

JHB Branch

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