Reliable Performance in Humid Air Conditioning Applications

Indoor swimming pools are one of the typical applications for the HMT120/130 transmitters.

In response to concerns about efficient air conditioning and economical solutions, reliable humidity measurement instruments play a key role in monitoring humidity levels in dusty and moist environments. For example, ventilation in environments such as greenhouses and indoor swimming pools is a challenge for humidity control instruments. Vaisala's wall mounted HMT120 and HMT130 transmitters are specifically designed for such demanding air conditioning applications.

The HMT120 and HMT130 Humidity and Temperature transmitters are designed for dusty and humid airconditioning applications where accurate and stable measurement and control of relative humidity and temperature are required.

Protection Against Dust and Water Spray

The transmitters are dust and water spray resistant and meet IP65 requirements. All the materials used have been chosen for their excellent corrosion resistance. This makes the transmitters especially suitable for humid and wet environments. Applications include greenhouses, livestock farms, indoor swimming pools, various types of storage area and any other areas, which are regularly cleaned with sprayed water.

The HMT120/130 transmitters are available either with humidity measurement only or with both humidity and temperature measurement. The HMT120 has current output (loop-powered) and the HMT130 has voltage output, where several voltage ranges up to 10V can be configured.

Interchangeable Probe

The HMT120/130 transmitters use a fully interchangeable relative humidity probe. The probe can be easily removed and replaced with a new one without having to adjust the transmitter, which allows for easy and quick recalibration of the transmitter. The probe can be adjusted using one of Vaisala's portable meters as a reference. Also available is a constant output probe with fixed RH and T output for convenient inspection of the monitoring system and signal transfer line.

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