

HUMICAP® Humidity and Temperature Probe HMP155

Product Spotlight

Providing trusted weather observations for a sustainable future

Accuracy and reliability in even the
most challenging environments

In high humidity climates where
moisture is near saturation and
in environments with changing
temperatures, capturing accurate
data is especially challenging. These
are the types of conditions for which
Vaisala's HUMICAP® Humidity and
Temperature Probe HMP155 were
specifically designed.



Key benefits

Simple PC-based calibration using the unit's push buttons or with the MI70 indicator. Accessed via USB cable connection.

Weather-proof housing (IP66) that ensures continuous, safe data capture and reporting.

Flexible output choices that include Voltage, RS-485, resistive Pt100.

Optional warmed probe technology ensures accurate measurement and better long-term stability in high-condensing environments.

Optional chemical purge function regularly cleans the humidity sensor chip to reduce sensor drift caused by pollution-based chemical vapors – ideal for road and maritime installations.

Optional fast temperature probe for quicker, accurate temperature measurement. Compatible with liquid bath calibration.

Why Vaisala?

As the global leader in weather and environmental measurements, Vaisala provides trusted weather observations for a sustainable future. With over 85 years of experience and customers in 170+ countries, from the North and South Poles to Mars, we help provide the most reliable and accurate weather and climate information for better and safer daily lives.

Our instruments and intelligence are known as the gold standard for precision and reliability. As a sustainability leader we enable meteorology professionals to better understand, forecast and explain climate change. We continue to channel our curiosity into climate action and new ways of enabling a better planet for all.

HMP155 Humidity and Temperature Probe provides fast, accurate humidity measurements across a range of conditions including tropical, coastal, and marine environments. Thanks to the warmed probe technology and latest generation HUMICAP® R2 sensor technology, the HMP155 delivers excellent long-term stability in the harshest environments, especially where measurements may be corrupted by chemicals, fog, mist, rain, and heavy dew.

Applications:

- Logging humidity and temperature data at remote weather stations
- Gathering continuous weather condition information for short- and long-term forecasting, meteorological analysis, and climate studies
- Facilitating road safety reports and planning with weather condition monitoring
- Monitoring conditions to predict potential impact of approaching storms on roadways and travel conditions
- Supporting operational safety while maximizing productivity for highway maintenance and aviation operations

