

HMT100 Series Humidity and Temperature Transmitter for Demanding HVAC Applications



HMT100 remote probe and wall mount models.

Features/Benefits

- Full 0 ... 100 %RH measurement
- Two-wire loop-powered or three-wire voltage output configurations
- Fixed and remote probe models
- Display available
- Relative humidity, dewpoint, temperature outputs
- Vaisala HUMICAP® sensor
- Interchangeable probe module for minimal maintenance downtime
- Different output scalings
- Compatible with hand-held HM70 and HMI41 for one-point calibration
- IP65 (NEMA 4) housing
- NIST traceable (certificate included)

The Vaisala HUMICAP® Humidity and Temperature Transmitter Series HMT100 are designed for humidity and temperature monitoring in demanding environments.

Typical applications include stability rooms, HVAC, livestock farms, greenhouses, indoor swimming pools, and outdoor applications.

Performance

HMT100 incorporates Vaisala HUMICAP® technology that measures relative humidity accurately and reliably. Vaisala HUMICAP® is also resistant to dust and most chemicals. Vaisala has 30 years of experience in industrial humidity measurement.

Available options

The new HMT100 is available as a wall mount or remote probe model with an optional display. For high temperature applications or where space is limited, the remote probe is ideal.

You can order HMT100 with a configuration that best suits your needs. HMT100 can show relative humidity

only, dewpoint only, or relative humidity and temperature, or dewpoint and temperature. The transmitter is available with one or two analog output channels depending on the selected parameters.

Interchangeable probe

The remote probe comes with a cable for which there are three options in length: 3 m, 5 m, or 10 m.

The probes are interchangeable and when changing them, the transmitter requires no calibration or adjustment, saving both time and costs.

Installation kits

HMT100 can also be installed outdoors using the kit especially designed for it or directly into an air conditioning channel using the duct installation kit.

Annual calibration

Calibration is recommended typically at an interval of one year using either the Vaisala HUMICAP® Hand-held Humidity and Temperature Meter HM70 or the Vaisala HUMICAP® Humidity Indicator HMI41.

The accuracy of the instrument can also be checked using the Vaisala Humidity Calibrator HMK15, which is based on saturated salt solutions.



The Vaisala HUMICAP® Humidity and Temperature Transmitter Series HMT100 measure relative humidity or dewpoint, and temperature accurately in humid and wet environments.

