

Vaisala Instruments for the Automotive Industry



- Over 40 years of experience in industrial humidity measurements
- Market-leading product selection
- ISO/IEC 17025 accredited calibrations
- Fast deliveries – one week

Dynamometer Rooms

Dyno testing often occurs at very low and very high temperatures. The Vaisala HUMICAP® Humidity and Temperature Series HMT330 provides operating ranges wide enough to accommodate virtually any test condition.

- $\pm 1\%$ RH accuracy, traceable calibration (certificate included)
- Unique warmed probe for near-condensing conditions
- Optional graphical display of history and measurement



Vaisala HUMICAP® Humidity and Temperature Series HMT330 for excellent performance

Engine Test Cells

High reliability and uptime are desirable in test cell instrumentation. The Vaisala BAROCAP® barometers and HUMICAP® humidity instruments set the standard for reliability test cell instrumentation.

- Three-in-one measurement: barometric pressure, humidity and temperature
- Optional graphical display of history and measurement
- Traceable calibration (certificate included)



Vaisala BAROCAP® combined pressure, humidity and temperature transmitter PTU300

Compressed Air Dew Point

In compressed air, moisture means trouble: water causes corrosion and can freeze and block pipes or cause malfunctions in pneumatic instruments. Vaisala dew point instruments:

- Measure dew point from $-70...+80\text{ }^{\circ}\text{C}$ ($-94...+176\text{ }^{\circ}\text{F}$)
- Withstands condensation
- Features patented auto-calibration for improved performance and superior long-term stability
- Install in pressures up to 300 psi



Vaisala DRYCAP® Dew Point Transmitters

Paint Booths

Modern water-based automotive paints are sensitive to environmental conditions during application. Humidity control in the air house and paint booth assures an efficient process and a high quality finish. The Vaisala HUMICAP® instruments provide accurate humidity measurements with extremely low long-term drift.

- Vaisala HUMICAP® HMT360 – Intrinsically safe for use in hazardous locations
- $\pm 1\%$ RH accuracy, traceable calibration (certificate included)
- 6 probe models available to best fit your application



Vaisala HUMICAP® Humidity and Temperature Transmitter Series HMT360

Metrology

Field instruments can be calibrated in place using portable reference standards, or sent to Vaisala for a certified calibration. Vaisala offers portable standards:

- HM70 hand-held humidity meter for one-point field calibration
- PTB330TS portable transfer standard with excellent accuracy of $\pm 0.10\text{ mbar}$
- HMK15 salt humidity calibrator for multi-point calibration



Vaisala HUMICAP® Hand-held Humidity and Temperature Meter HM70



HMK15 Salt Humidity Calibrator



The PTB330TS comes in a durable and weatherproof transport case that can be easily carried and shipped

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