

## Vaisala instruments for the automotive industry



- Vaisala offers over 45 years of experience in industrial humidity measurements
- Market-leading product innovations
- ISO/IEC 17025 accredited calibrations
- Best in class measurement stability

### Dynamometer rooms

Accurate and reliable monitoring of room conditions is necessary for stress testing of systems and components to evaluate performance, durability and fatigue. Vaisala Humidity Transmitters offer:

- Indigo RH/T probes measurement from -70°C to +180°C environments
- $\pm 1\%$  RH accuracy and traceable certificate or optional 17025 accredited calibration
- Patented warmed probe technology for condensation prevention
- Optional graphical display with measurement history



*Vaisala Indigo500 series transmitters and Indigo-compatible humidity and temperature HMP series probes for excellent performance. Single or Dual probe options available.*

### Engine test cells

High reliability and continuous performance are critical in test cell instrumentation. The Vaisala BAROCAP® barometers and HUMICAP® humidity instruments set the standard for reliable test cell instrumentation. Vaisala Indigo Series of Probes and Transmitters offer:

- Three-in-one measurements: barometric pressure, humidity, and temperature
- Fast response times and probes that are easy to service
- Traceable calibration or optional 17025 accredited calibration



*Vaisala BAROCAP® combined pressure, humidity and temperature transmitter Indigo520 & HMP7.*

## 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 Dewpoint Instruments provide:

- Dew point measurement from -80...+80 °C (-94...+176 °F)
- DRYCAP® sensor technology to withstand condensation and quick response time.
- Patented auto-calibration for improved performance and superior long-term stability
- Pressure ranges up to 725 psia (50 bara)



*Vaisala DRYCAP® Dew Point probes combined with Indigo host transmitters*

## Paint booths

Modern 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.

Vaisala Humidity Transmitters provide:

- Accurate humidity measurements with extremely low long-term drift
- Vaisala HMT370EX - Intrinsically safe for use in hazardous locations
- FM, CSA, and other global approvals
- Traceable calibration or optional 17025 accredited calibration



*Vaisala HUMICAP® Humidity and Temperature Transmitter Series HMT370EX*

## Metrology

Regular calibration is essential to ensure the best accuracy. Critical instruments can be calibrated in place using portable reference standards, or sent to Vaisala for a certified calibration or 17025 accredited calibrations. Vaisala offers portable standards:

- HM70 hand-held humidity meter for one-point field calibration
- PTB330TS portable barometric pressure transfer standard with excellent accuracy of  $\pm 0.10$  mbar
- HMK15 salt humidity calibration kit for multi-point calibration



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



*HMK15 Salt Humidity Calibrator*



*Vaisala HUMICAP® Hand-held Humidity and Temperature Meter HM70*

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