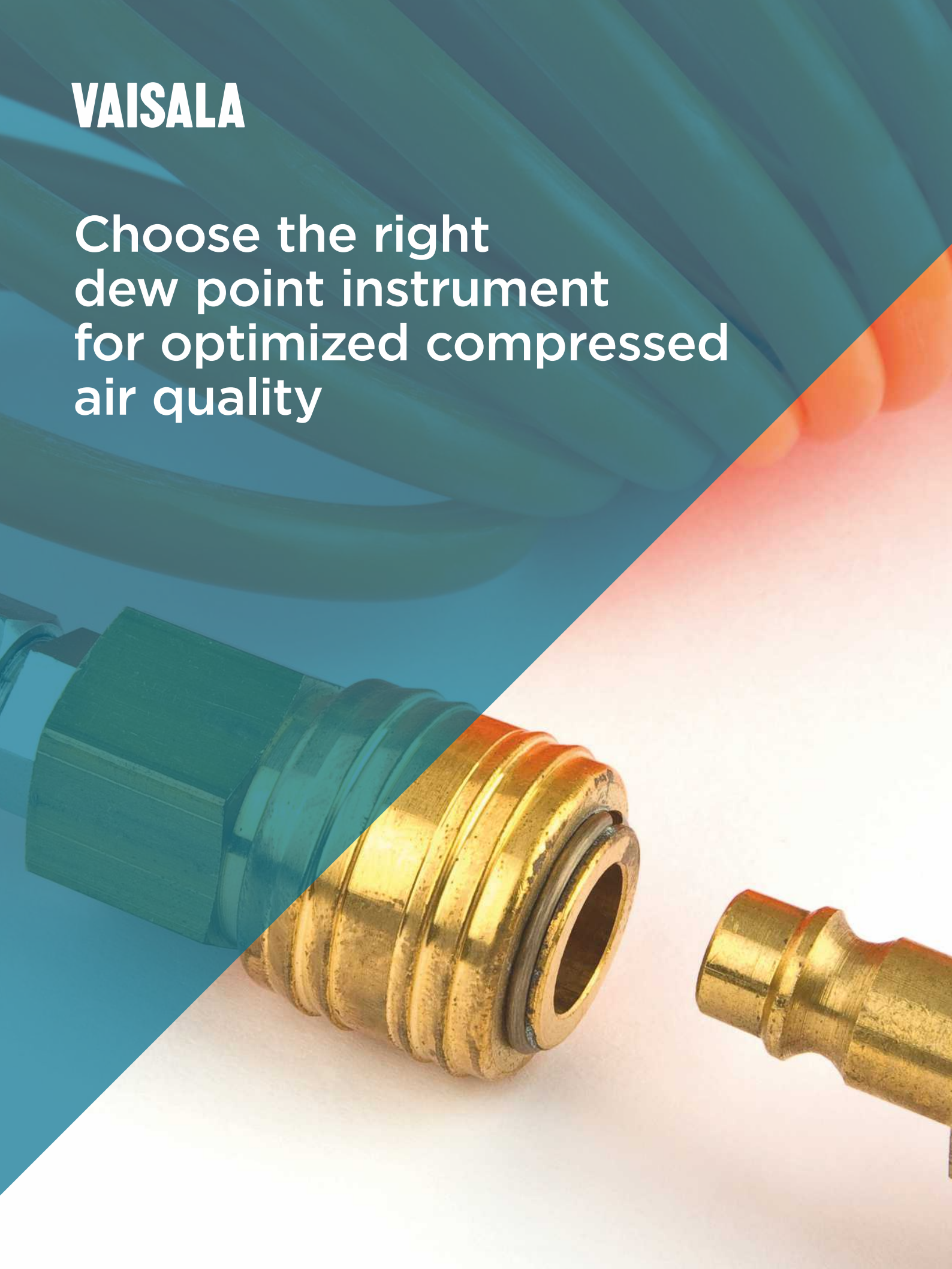
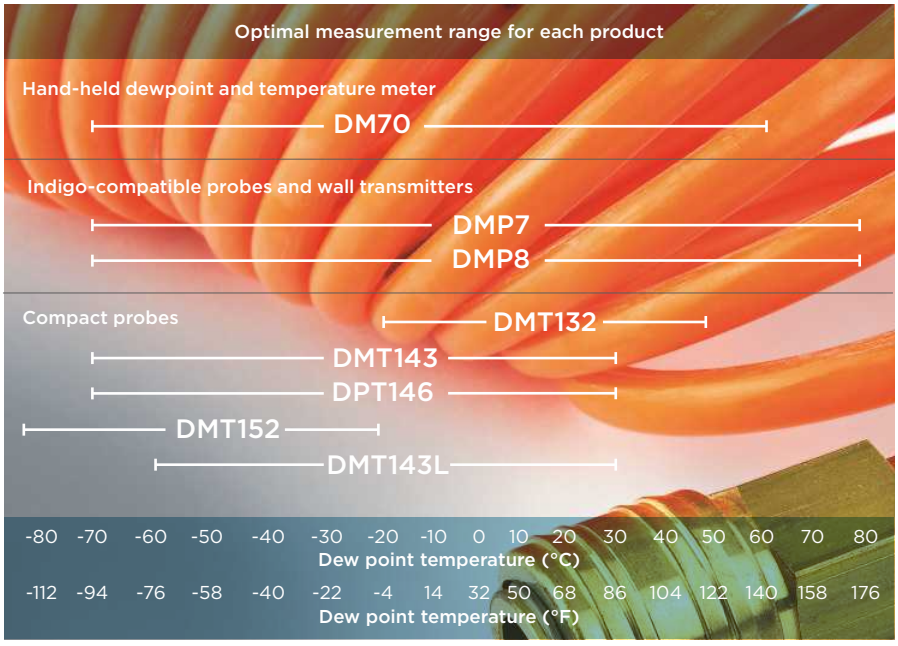
VAISALA

Choose the right dew point instrument for optimized compressed air quality



Choose the right dew point instrument for optimized compressed air quality



We have taken the stress out of ensuring dry compressed air – here you can find the optimal instrument whatever your application.

Our unique sensor technologies cover the full dew point range with optimized instruments for practically any compressed air system. What are your system's critical dew points? Demand or supply side? Special application and instrument requirements? Increasing the life of your compressed air system, improving process quality and lowering costs is now easier than ever.

Vaisala DRYCAP® and HUMICAP® sensor technologies ensure accurate, reliable measurements with excellent long-term stability and fast response. All Vaisala sensors withstand exposure to contaminants like water spikes, ambient humidity, compressor oil and chemical impurities. They also have the fastest wet-to-dry response time on the market and minimal drift that allows for a long 2-year calibration interval.

The DRYCAP® polymer sensor technology incorporates unique innovations such as the patented auto-calibration feature. This autocalibration maintains the specified accuracy by warming the sensor at set intervals to indicate a possible offset drift to the measurement electronics for automatic correction.

Handheld DM70 Meter for Spot-Checking and Field Calibration

-70... +60 °C (-94...+140 °F) T_d with ±2 °C (±3.6 °F) accuracy

- Fast response – just minutes
- Easy-to-use
- Multilingual menu (EN, DE, ES, FI, FR, JA, RU, SV, ZH)
- Data logging and transfer to a PC via MI70 Link software
- Compatible with DMT132, DPT146, DMT143, DMT242, DMT152, DMT340

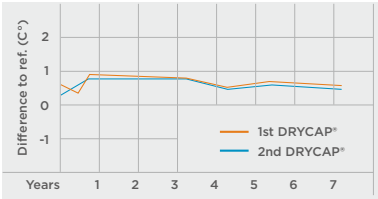
Read more at **www.vaisala.com/DM70**

DMT143 & DMT143L (Long) for Dryer Applications

-70 ... +30 °C (-94... +86 °F) T_d with ±2 °C (±3.6 °F) accuracy

- Small size for compact industrial dryer applications
- Stable and cost-efficient
- LED alarm for exceeded dew point level
- DMT143: pressure up to 50 bar
- DMT143L: pressure up to 20 bar
- DRYCAP® sensor technology

Read more or download the datasheet at **www.vaisala.com/DMT143**



Long-term stability
Graphs derived from an ongoing Vaisala DRYCAP® test. Two dewpoint transmitters with DRYCAP® installed in a compressed air line seven years ago and have not been recalibrated or adjusted. The line conditions are representative of instrument air. The x-axis represents years and the y-axis represents difference to the reference value -50°C at periodic checks.

DMP7 Indigo-compatible Dew Point and Temperature Probe

-70 ... +80 °C (-94 ... +176 °F) $T_{d/f}$ accuracy up to ±2 °C (±3.6 °F)

- For remote installations in tight spaces
- Superior chemical resistance
- Pressure up to 10 bar
- Modbus RTU over RS-485 for flexible connectivity
- Compatible with Indigo series transmitters
- DRYCAP® sensor technology

Read more or download the datasheet at **www.vaisala.com/DMP7**

DMP8 Indigo-compatible Dew Point and Temperature Probe

-70 ... +80 °C (-94 ... +176 °F) with accuracy up to ±2 °C (±3.6 °F)

- Adjustable installation depth
- Pressure up to 40 bar
- Compatible with Indigo series transmitters
- DRYCAP® sensor technology
- BALLVALVE-1 Ball Valve Set

Read more or download the datasheet at **www.vaisala.com/DMP8**

Indigo200 Transmitter

Indigo200

Offers 1 interchangeable probe connection (direct or with extension cable)

- Up to 3 parameters can be shown
- Display or display-less version
- 3 analog outputs (mA/Vdc selectable)
- 2x relays
- 24Vdc Power

Learn more about **Indigo200**

Indigo500 Transmitter

Indigo500

Offers 1-2 interchangeable probe connections

- Color touch screen display
- 2-4 analog outputs (mA/Vdc selectable)
- 2x relays
- 24Vdc or 120Vac Power options
- Data logging
- Ethernet port, web user interface, Modbus TCP/IP

Learn more about **Indigo500**

DMT132 Dew Point Transmitter for Refrigerant Dryers

-20... +50 °C (-4 ... +122 °F) T_d

- Affordable, yet highly accurate: ±1 °C (±1.8 °F) in refrigerant dryer measurement range
- Excellent long-term stability – resistant to compressor oil
- Low powered, 10 ... 28 VDC
- Pressure up to 20 bar
- HUMICAP® sensor technology

Read more or download the datasheet at **www.vaisala.com/DMT132**

DPT146 Dew Point Transmitter with Integrated Pressure Measurement

-70 ... +30 °C (-94 ... +86 °F) T_d with ±2 °C (±3.6 °F) accuracy

- The first transmitter with combined dew point and pressure measurement
- Compatible with Vaisala Handheld DM70 for easy spot-checking, local display and data logging
- Pressure up to 12 bar
- DRYCAP® and BAROCAP® sensor technology

Read more or download the datasheet at **www.vaisala.com/DPT146**

DMT152 Dew Point Transmitter for Low Dew Point Measurement

-80 ... -20 °C (-112 ... -4 °F) T_d with ±2 °C (±3.6 °F) accuracy

- Measurement range down to -80 °C (-112 °F)
- Pressure up to 50 bar
- DRYCAP® sensor technology

Read more or download the datasheet at **www.vaisala.com/DMT152**

Accessories

- Sampling cells
  - DMT242SC Basic ISO threaded sample cell
  - SC-025NPT NPT threaded sample cell
  - DMT242SC2 Sample cell with swagelok 1/4" male connectors
  - DSC74 Sample cell with quick connector and leak screw
  - DSC74B Two-pressure sampling cell
  - DSC74C Two-pressure sampling cell with coil
  - DSS70A For pressurized processes up to 20 bar Cooling coil
- Remote Displays
  - Nokeval 301 4-20mA, loop-powered
  - Nokeval 302 4-20mA, loop-powered, alarm relays
- Connection cables

Learn more about **sampling cells**.

More information

Animations, white papers and other information available at **www.vaisala.com/compressedair**

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Please contact us at
www.vaisala.com/contactus

www.vaisala.com

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