

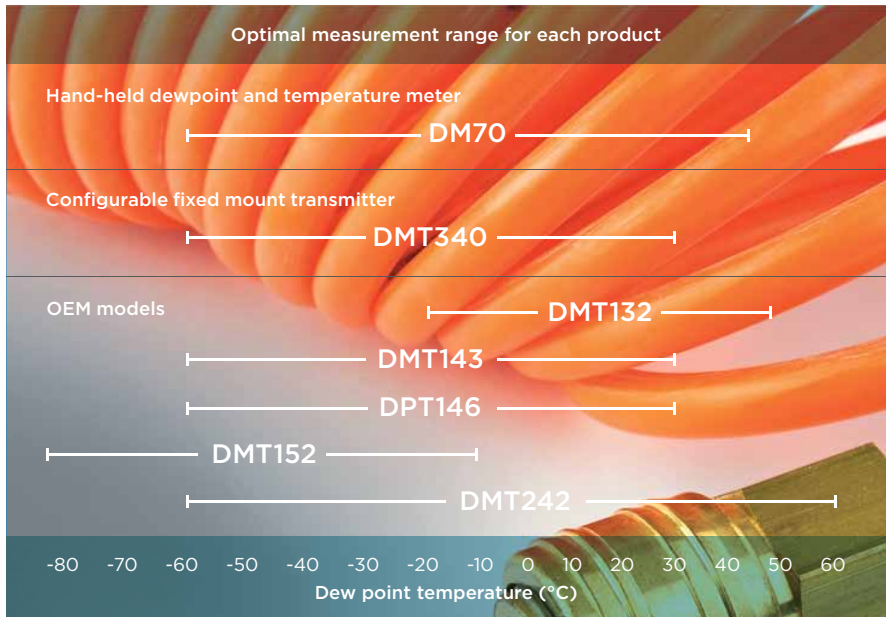
# VAISALA

[www.esis.com.au](http://www.esis.com.au)  
Ph 02 9481 7420  
Fax 02 9481 7267  
esis.enq@esis.com.au



**ESIS**  
Industrial Electronics

## Choose the Right Dew Point Instrument for Optimized Compressed Air Quality

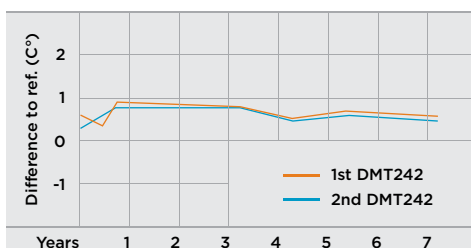


*We have taken the stress out of ensuring dry compressed air – here you can find the optimal instrument whatever your application.*

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? Relax, 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.



### Long-term stability

Graphs derived from an ongoing Vaisala DRYCAP® test. Two DMT242 dew point transmitters were 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.



### Hand-Held DM70 Meter for Spot-Checking and Field Calibration

-60...+60 °C (-76...+140 °F) T<sub>d</sub> with ±2 °C (±3.6 °F) accuracy

- Fast response – just minutes
- Easy-to-use
- Multilingual menu (EN, CN, DE, FI, FR, JP, RU, SE, SP)
- 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](http://www.vaisala.com/DM70)



### Configurable fixed mount DMT340 Transmitters

-60...+45 °C (-76...+113 °F) T<sub>d</sub> with ±2 °C (±3.6 °F) accuracy

- Configurable with various options
- Display/keypad
  - Data logging and Relay module
  - Multiple probe option
  - Integrated data logging with over four years of measured history
  - Multilingual menu (EN, CN, DE, FI, FR, JP, RU, SE, SP)
  - Pressure up to 50 bar
  - DRYCAP® sensor technology

Read more at [www.vaisala.com/DMT340](http://www.vaisala.com/DMT340)



### DMT132 Transmitter for Refrigerant Dryers

- 20...+50 °C (-76...+86 °F)  $T_d$
- Affordable, yet highly accurate:  $\pm 1$  °C ( $\pm 1.8$  °F) in refrigerant dryer measurement range
- Excellent long-term stability – resistant to compressor oil
- Low powered, 10...28VDC
- Pressure up to 20 bar
- HUMICAP® sensor technology

Read more or download the datasheet at [www.vaisala.com/DMT132](http://www.vaisala.com/DMT132)



### DMT143 Miniature Dew Point Transmitter

- 60...+30 °C (-76...+140 °F)  $T_d$  with  $\pm 2$  °C ( $\pm 3.6$  °F) accuracy
- Small size for compact industrial dryer applications
- Stable and cost-efficient
- LED alarm for exceeded dew point level
- Pressure up to 50 bar
- DRYCAP® sensor technology

Read more or download the datasheet at [www.vaisala.com/DMT143](http://www.vaisala.com/DMT143)



### DPT146 Transmitter with Integrated Pressure Measurement

- 60...+30 °C (-76...+86 °F)  $T_d$  with  $\pm 2$  °C ( $\pm 3.6$  °F) accuracy
- The first transmitter with combined dew point and pressure measurement
- Compatible with Vaisala Hand-Held DM70 for easy spot-checking, local display and data logging
- Pressure up to 10 bar
- DRYCAP® and BAROCAP® sensor technology

Read more or download the datasheet at [www.vaisala.com/DPT146](http://www.vaisala.com/DPT146)



### DMT242 Transmitter for Industrial Dryer Applications

- 60...+60 °C (-76...+140 °F)  $T_d$  with  $\pm 2$  °C ( $\pm 3.6$  °F) accuracy
- Sensor options for desiccant and refrigeration dryers
- Pressure up to 20 bar
- DRYCAP® sensor technology

Read more or download the datasheet at [www.vaisala.com/DMT242](http://www.vaisala.com/DMT242)



### DMT152 Transmitter for Low Dew Point Measurement

- 80...-10 °C (-112...+14 °F)  $T_d$  with  $\pm 2$  °C ( $\pm 3.6$  °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](http://www.vaisala.com/DMT152)

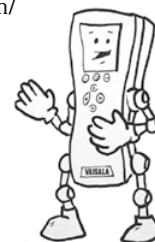


### Accessories

- Sampling cells
  - DMT242SC Basic 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
  - BALLVALVE-1 Ball Valve Set
- Nokeval 301 and 302 loop powered displays 4-20mA, field enclosure (Model 302 with two alarm relays)
- Connection cables
- Services

### More information

Animations, white papers and other information available at [www.vaisala.com/compressedair](http://www.vaisala.com/compressedair)



# VAISALA

[www.esis.com.au](http://www.esis.com.au)  
 Ph 02 9481 7420  
 Fax 02 9481 7267  
[esis.enq@esis.com.au](mailto:esis.enq@esis.com.au)

**ESIS**  
Industrial Electronics



phone to read the code.  
[www.vaisala.com/compressedair](http://www.vaisala.com/compressedair)

Ref. B211208EN-B ©Vaisala 2012  
This material is subject to copyright protection, with all copyrights retained by Vaisala and its individual partners. All rights reserved. Any logos and/or product names are trademarks of Vaisala or its individual partners. The reproduction, transfer, distribution or storage of information contained in this brochure in any form without the prior written consent of Vaisala is strictly prohibited. All specifications – technical included – are subject to change without notice.