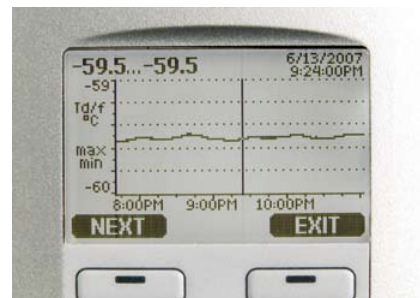


DMT340 Series Dewpoint and Temperature Transmitters for very dry conditions



The display shows measurement trends, real time data and history.

Features/Benefits

- Measures dew points from -60 °C to +80 °C (-76 ... +176 °F) with the accuracy of ± 2 °C (± 3.6 °F)
- Vaisala DRYCAP® Sensor provides accurate, reliable measurement with excellent long-term stability and fast response
- Withstands condensation
- Unique auto-calibration feature
- Optional alarm relays, local display and mains power supply module
- Compatible with Vaisala DRYCAP® Hand-Held Dewpoint Meter DM70
- NIST traceable (certificate included)
- 3 analog outputs and a serial interface, WLAN/LAN

The Vaisala DRYCAP® Dewpoint and Temperature Transmitter Series DMT340 is designed for industrial low humidity applications. Typical applications include compressed air drying and metal treatment. The device is very reliable, easy to use and economical to maintain.

Stability in low dew points

The Vaisala DRYCAP® Sensor is immune to particulate contamination, water condensation, oil vapor and most chemicals. Since the sensor withstands condensation, its performance is unmatched for low dew point applications that experience water spikes in the process. The sensor recovers rapidly from contact with free water.

Patented auto-calibration

The stability of the DMT340 is due to the unique auto-calibration function, patented by Vaisala.

The auto-calibration makes the transmitter perform a calibration and adjustment by itself while the measured process is running. If the measurement accuracy is not confirmed, corrections are made automatically. The procedure is so quick and corrections are so minor that it will go unnoticed. This ensures low maintenance and high performance. To continue performance at the highest level, the transmitter can be sent to Vaisala for a NIST traceable calibration. Calibration intervals depend on the application; in normal conditions, a NIST traceable calibration in every two years is recommended.

Graphical measurement trend and history display

The DMT340 can be ordered with a large numerical and graphical display with a multilingual menu. It allows the user to monitor measurement trends and one-year history.

The optional data logger with real-time clock makes it possible to generate more than four years of measured history and zoom in on any desired time or time frame.

The display alarm allows tracking of any measured parameter, with a freely configurable low and high limit.

Versatile outputs and (wireless) data collection

The DMT340 can be connected to a network with an optional (W)LAN interface, which enables a (wireless) Ethernet connection.

For serial interface also the USB connection, RS232 and RS485 can be used. Additionally an alarm relay option is available.

The transmitter can have up to three analog outputs. Galvanic isolation of supply power and analog outputs are also offered.

The recorded measurement data can be viewed on the display or transferred to a PC with Microsoft Windows® software.

Easy installation

The DMT340 has a variety of features to choose from. Units are delivered installation-ready.



The Vaisala DRYCAP® HandHeld Dewpoint Meter DM70 is ideal for field checking DMT340 transmitters.



The DMT342 probe is installed using a flange or sampling cell. The small probe is ideal for integrating into larger equipment.



The DMT344 features a threaded connection for extended pressures with different fitting body options. It is ideal for permanent installations into pressurized or vacuum processes.



The DMT347 probe is ideal for tight spaces with thread connection. The small probe is installed using the Swagelok® connectors.



The DMT348 is ideal for installations in pressurized processes where the probe needs to be removed while the process is running. The probe depth is adjustable.

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For more information, visit www.vaisala.com or contact us at sales@vaisala.com

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