



# DMT132 Dew Point Transmitter

For Refrigerant Dryers



## Features

- High accuracy  $\pm 1\text{ }^{\circ}\text{C}$  ( $\pm 1.8\text{ }^{\circ}\text{F}$ ) in the measurement range of refrigerant dryers
- Excellent long-term stability - resistant to compressor oil and most other chemicals thanks to HUMICAP® technology
- Low power requirements, 10 ... 28 VDC
- Easy to verify functionality with compatible Vaisala DM70 or HM70 hand-held meters
- Optional LED warning light

Vaisala HUMICAP® Dew Point Transmitter DMT132 is an affordable dew point measurement instrument designed to verify the functionality of refrigerant dryers. It is especially well suited for OEM dryer manufacturers.

## Direct Measurement Cuts Costs

Direct outlet air dew point measurement provides accurate information about dryer functionality and is more reliable than the traditional method of measuring refrigerator temperature only.

Knowledge of the real dew point ensures high quality compressed air at all times and enables customers to optimize dryer capacity. This helps to prevent investment in redundant dryer capacity and avoid unnecessary maintenance and costly malfunctions.

## High Accuracy and Long-Term Stability

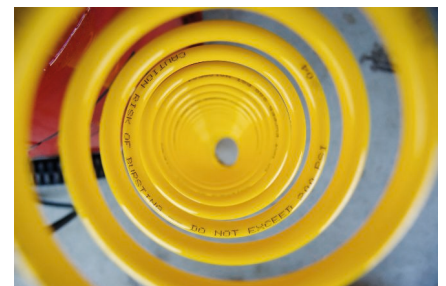
DMT132 provides optimal performance in the operating range of refrigerant dryers. In the measurement range of  $-3\text{ }^{\circ}\text{C}$  ...  $20\text{ }^{\circ}\text{C}$  ( $+26.6\text{ }^{\circ}\text{F}$  ...  $+68\text{ }^{\circ}\text{F}$ ), where the refrigerator

dryers typically operate, the  $T_d$  accuracy is  $\pm 1\text{ }^{\circ}\text{C}$  ( $\pm 1.8\text{ }^{\circ}\text{F}$ ). The instrument incorporates the proven Vaisala HUMICAP® sensor, which is resistant to compressor oil and most other chemicals, thereby providing excellent long-term stability.

## Quick Installation and Easy Field Checking

It takes just a few minutes to install DMT132 directly into a dryer or compressed air line through a G1/2" ISO thread. Vaisala sampling cells can also be used. The loop-powered electronics mean that wiring is easy and power requirements are low. DMT132 operating voltages can be as low as 10 VDC.

Verifying the performance of DMT132 is easy with the compatible Vaisala DM70 or HM70 hand-held meters. The user can perform possible adjustments with Vaisala HMK15 Humidity Calibrator.



Demand for dew point sensors to verify refrigerant dryers is increasing. Direct dew point measurement enables energy savings and improved efficiency.

