

testo 6781 – Dewpoint

Dewpoint transmitter testo 6781 with condensation-proof sensor for monitoring trace humidity in compressed air or dry air (e.g. granulate dryers). Measures deepest pressure dewpoints down to -90 °Ctd. Optional display with multilingual operating menu.

- Measurement range: -90 to +30 °Ctd
- Measurement uncertainty*:
 - 20 °Ctd till -40 °Ctd: $\pm 1,5K$
 - 40 °Ctd till -60 °Ctd: $\pm 2K$
 - 60 °Ctd till -75 °Ctd: $\pm 2,5K$
 - 75 °Ctd till -90 °Ctd: $\pm 5K$ (typical)
- Analog output signal: 0 to 1V, 0 to 5V, 0 to 10V or 0 to 20mA, 4 to 20mA, freely selectable, 4-wire
- Voltage supply: 20 to 30V AC/DC
- Housing: Metal
- Dimensions: 208 x 80 x 35 mm

Supplier: Testo AG
Product: testo 6781
Part Number: 0555 6781

Price for delivery: €/piece Piece. Total €

* Determination of measurement uncertainty according to GUM

GUM: ISO Guide to the Expression of Uncertainty in Measurement to enable a worldwide comparison of measurement results.
The following uncertainty factors are taken into account in determination:

- Hysteresis
- Linearity
- Reproduceability
- Adjustment site/factory calibration
- Test station

This total view results in an additional dewpoint temperature dependent and process dependent uncertainty of $\pm 0.03 K \times$ measuring value (in °Ctd) + $0.2 K \times (25 \text{ °C} - \text{process temperature in °C})$

Beyond the measurement range there is a measuring uncertainty of $\pm 5K$ (typical, max. $\pm 10K$)