



Compact transmitter for humidity and temperature

Pt100 4 wire system
0 to 100%RH



Compact transmitter

Compact transmitter, humidity and temperature

Part no. 6337 9741

Quantity discounts available

The compact transmitter is particularly suitable for stationary humidity measurement in heating and air conditioning ducts. The output signal 0 to 10 V corresponds to 0 to 100%RH. The humidity reading is temperature-compensated over the range.

- **Splashwater-proof plastic housing (IP 54)**
- **Can be quickly and easily attached to a wall or in a duct with the aid of a pipe clamp connection**



Humidity measurements in HVAC ducts

Ordering data for Accessories

Pipe clamp connection for wall mounting

Part no. 0554 0093

Pipe clamp connection for duct mounting

Part no. 0401 6331

Teflon sintered filter, Ø 21 mm, for corrosive substances
High humidity range (long-term measurements), high velocities

Part no. 0554 0666

ISO calibration certificate/Humidity

Electronic hygrometers; calibration points 11.3%RH and 75.3%RH at +25°C

Part no. 0520 0006

Technical data

Meas. range 0... +100 %RH
Accuracy ± 2 %RH (+2... +98 %RH)
Oper. temp. -20... +70 °C
Storage temp. -40... +80 °C
Warranty 2 years

Accuracy/Humidity: at rated temperature of +25°C
Temperature compensation: 0.03%RH/°C
Output/Humidity: 0 to 10V/0 to 1V/0 to 0.5 V, on request
Max. load: voltage output: RL greater than 10 KΩm
Power supply: 18 to 28 V DC, 1.6 m cable for clamping
A Pt100, DIN IEC 751, Cl. B in 4-wire version (connected), is available to measure temperature

Heated compact transmitter for high humidity applications

Heated sensor
Pt100 4 wire system
0 to 100%RH



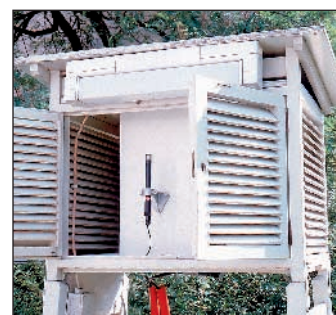
Compact transmitter

Heated compact transmitter, humidity and temperature

A heated humidity sensor prevents condensation on the sensor if the moisture level is high or there are fluctuations in temperature.

The capacitive humidity sensor is heated with the ambient temperature in the heated compact transmitter. In this way, the sensor is made unsusceptible to dirt.

- **Splashwater-proof plastic housing (IP 54)**
- **Fast and easy mounting on wall or in duct with the aid of a pipe clamp connection**



Stable humidity and temperature values for tough ambient conditions e.g. in a weather station

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Pipe clamp connection for duct mounting

Part no. 0401 6331

ISO calibration certificate/Humidity

Electronic hygrometers; calibration points 11.3%RH and 75.3%RH at +25°C

Part no. 0520 0006

Technical data

Meas. range 0... +100 %RH
Accuracy ± 2.5 %RH (+2... +98 %RH)
Oper. temp. -20... +70 °C
Storage temp. -40... +80 °C
Warranty 2 years

Accuracy/Humidity: at rated temperature of +25°C
Output/Humidity: 0 to 10 V/0 to 1V/0 to 0.5 V, on request
Max. load: voltage output: RL greater than 10 KΩm
Power: 18 to 28 V DC, 1.6 m cable for clamping
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