

# Capacitive Humidity Sensor P14-W



Humidity allrounder, -50 °C to +150 °C, 5.0 x 3.81 mm, 10 mm wires

Capacitive humidity sensor P14 with wires Linear characteristics and wide range of potential uses - ideal solution for universal measuring tasks in a wide variety of different applications.

**Product Name:** P14-W (150pF  $\pm$ 50pF)

**Capacitance:** 150pF  $\pm$ 50pF (at +23 °C and 30 % RH)

**Operating humidity range:** 0 % RH to 100 % RH

**Operating temperature range:** -50 °C to +150 °C

**Dimensions:** 5.0 x 3.81 x 0.4 mm

**Response time:** < 5 s

**Measured medium:** Air/Gas

**Product Old code:** 040.00174

**Product code:** 150466

# Product details

## P14-W humidity sensor for various applications

Thanks to its linear characteristics and its wide range of potential uses, the IST AG P14-W humidity sensor is the ideal solution for universal humidity measuring tasks in a wide variety of different applications. The sensor is capable of measuring 0 % RH to 100 % RH (maximal dew point +85 °C) with a capacitance of 150 pF  $\pm$ 50 pF (wired) / 180 pF  $\pm$ 50 pF (SMD) (at 30 % RH and +23 °C) and operates within a temperature range of -50 °C to +150 °C.

## Benefits & Characteristics of this humidity sensor

- High chemical resistance
- Very low drift
- Wide temperature range
- High humidity stability
- Resistance to condensation
- Fast recovery time

[Customer-specific sensor available upon request](#)

## Alternative wires

The IST AG P14-W humidity sensor is available with CuP-SIL-wire post-plated with Sn, Au/Cu-wire or as SMD for automatic packaging as standard.

## Quality

Consistent with the well-known, high-quality standards in Switzerland, IST AG is certified according to ISO 9001:2015 (quality) and ISO 14001:2015 (environment). Appropriate processes are part of our daily work. They are regularly audited and extended parallel to the growth of our company.

[> Read more](#)

## The online shop

Quantity (pieces)	Price (per piece)
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10-49	CHF 17.60
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50-99	CHF 15.50
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100-150	CHF 14.30
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Stock: **90**