

# 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)

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

**Betriebsfeuchtebereich:** 0 % RH to 100 % RH

**Betriebstemperaturbereich:** -50 °C to +150 °C

**Abmessungen:** 5.0 x 3.81 x 0.4 mm

**Ansprechzeit:** < 5 s

**Medium:** Air/Gas

**Product Old code:** 040.00174

**Product code:** 150466

# Product details

## Capacitive Humidity Sensor P14-W > Details

### P14-W humidity sensor for various applications

Thanks to its linear characteristics and its wide range of potential uses, the iST 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

This iST 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) |
|-------------------|-------------------|
| 10-49             | CHF 18.30         |
| 50-99             | CHF 15.97         |
| 100-150           | CHF 14.73         |

Lager: **260**