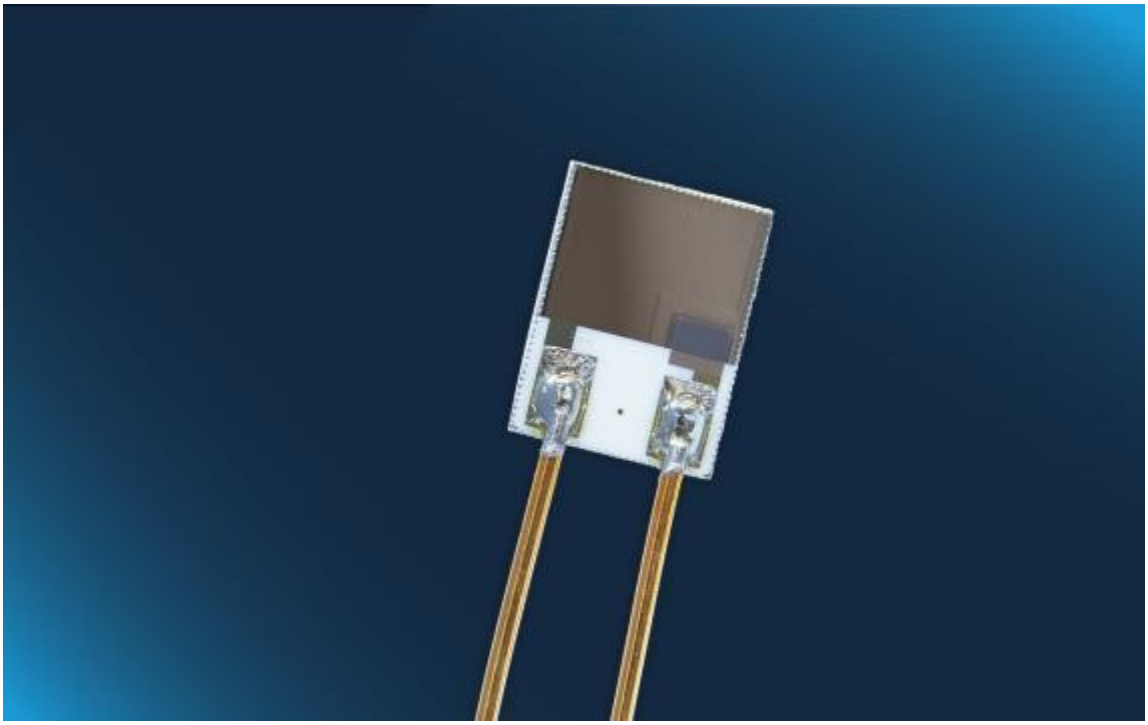
# Capacitive Humidity Sensor P14-W



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 ±50pF)
**Capacitance:** 150pF +/-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 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 ±50 pF (wired) / 180 pF ±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 |

Stock: **52**